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Ohio Labor Market Information Labor Market Review

September 1988

Summary. The seasonally adjusted unemployment rate in Ohio increased from 5.6 percent in August to 5.8 percent in September. The national rate declined from 5.6 percent to 5.4 percent. Total employment in Ohio fell 53,000, to 4,947,000, while the number of unemployed Ohioans, at 304,000, was up 6,000. Nonfarm wage and salary employment (seasonally adjusted) in Ohio totaled 4,695,000 in September, up 6,000 from August. (See page 3.)

Factory Employment. Ohio's manufacturing employment rose 1,000 from August, to 1,100,000 in September. Employment in durable goods was unchanged, at 736,000, while nondurable-goods employment increased 1,000, to 363,000.

Nonmanufacturing. Nonmanufacturing employment in Ohio, at 3,595,000 in September, increased 5,000 from August. Services gained 2,000 jobs, while wholesale trade, retail trade, and finance, insurance, and real estate each advanced 1,000. There was no change in employment in mining, construction, transportation and public utilities, or government.

Over the Year. From September 1987 to September 1988, Ohio's unemployment rate rose from 5.6 percent to 5.8 percent. The U.S. rate fell from 5.9 percent to 5.4 percent during the same period. The number of jobless Ohioans increased 14,000, while total employment was up 56,000. Nonagricultural wage and salary employment advanced 98,000 from September 1987. The largest gains were in services (+41,000), retail trade (+24,000), and construction (+14,000). Mining declined 1,000, while all other nonmanufacturing divisions had small increases. Manufacturing employment was up 2,000 over the year, due to additional jobs in nondurable-goods industries.

Factory Hours and Earnings. Manufacturing production workers in Ohio had average weekly earnings of $523.40 in September, up $18.42 from August. Their average workweek of 43.4 hours was one hour longer. Except for the food industries, nearly every manufacturing industry had higher earnings. The most significant industries were motor vehicles and equipment, miscellaneous plastics products, metal forgings and stampings, iron and steel foundries, and nonferrous rolling and drawing mills.

Benefits and Costs. There were 36,030 initial claims filed under the Ohio Unemployment Compensation Law in September, down 28.5 percent from August, and down 18.0 percent from September 1987. The average weekly payment increased $3.45, to $154.62. Total benefits paid, at $35.2 million, decreased 10.1 percent from August. The average weekly number of benefit recipients fell 8.2 percent from August, to 53,834. At the end of September, there were 201,088 active employer accounts.

Ohio Bureau of Employment Services

Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Employment Service. The Ohio Bureau of Employment Services assisted 36,557 new job applicants in September, down 12.3 percent from August, and down 10.2 percent from September 1987. There were 12,301 job openings received from employers, down 38.7 percent from August, and down 12.4 percent from September 1987. The Employment Services Division made 26,723 job referrals and 6,724 placements.

The U.S. Department of Labor has designated Labor Surplus Areas for the period October 1, 1988 through September 30, 1989.

See pages 14 and 15 for listings of cities and counties.

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Seasonally Adjusted Civilian Labor Force & Nonagricultural Wage & Salary Employment Estimates for Ohio[a]

	Estimates (in thousands)			Change[b] (in thousands)		Percent Change[c]	
	Sep. 1988	Aug. 1988	Sep. 1987	From Last Month	From Last Year	From Last Month	From Last Year
Household Survey Data[d]							
Civilian Labor Force	5,251	5,298	5,181	-47	70	-0.9	1.4
Employment	4,947	5,000	4,891	-53	56	-1.1	1.1
Unemployment	304	298	290	6	14	2.0	4.8
Unemployment Rate	5.8	5.6	5.6				
Employer Survey Data[e]							
Total	4,695	4,689	4,597	6	98	0.1	2.1
Manufacturing	1,100	1,098	1,097	1	2	0.1	0.2
Durable Goods	736	736	737	0	-1	0.0	-0.1
Nondurable Goods	363	362	360	1	3	0.3	0.8
Nonmanufacturing	3,595	3,591	3,500	5	96	0.1	2.7
Mining	20	20	21	0	-1	-0.5	-4.3
Construction	191	191	178	0	14	0.2	7.6
Transportation and Public Utilities	210	210	207	0	3	0.2	1.5
Wholesale Trade	258	257	251	1	7	0.3	2.8
Retail Trade	876	875	852	1	24	0.1	2.8
Finance, Insurance, and Real Estate	252	252	245	1	7	0.2	3.0
Services	1,100	1,098	1,060	2	41	0.2	3.8
Government	688	688	686	0	1	-0.1	0.2
Goods Producing Industries[f]	1,311	1,310	1,296	1	15	0.1	1.2
Service Producing Industries[g]	3,384	3,379	3,301	5	83	0.1	2.5

[a]Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. [b]Changes are computed from unrounded numbers. [c]Percentages are computed from unrounded numbers. [d]From the Current Population Survey, a monthly federal survey of approximately 2,500 Ohio households. Estimates represent counts of persons by place of residence, provided by the U.S. Bureau of Labor Statistics. [e]From the Current Employment Statistics Survey, a monthly survey of over 10,000 employers conducted by OBES in cooperation with the U.S. Bureau of Labor Statistics. Estimates represent nonagricultural wage and salary jobs by place of work. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review. [f]Includes Mining, Construction, and Manufacturing. [g]Includes Transportation and Public Utilities, Wholesale Trade, Retail Trade, Finance, Insurance and Real Estate, Services, and Government.

Seasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate		
Total	Employed	Unemployed	Ohio	U.S.	
					1986
5,174	4,737	437	8.4	7.0	September
5,230	4,813	417	8.0	6.9	October
5,265	4,868	397	7.5	6.9	November
5,275	4,854	421	8.0	6.7	December
					1987
5,276	4,849	427	8.1	6.7	January
5,295	4,850	445	8.4	6.6	February
5,237	4,838	399	7.6	6.5	March
5,236	4,854	382	7.3	6.3	April
5,277	4,884	393	7.4	6.3	May
5,251	4,874	377	7.2	6.1	June
5,252	4,886	366	7.0	6.0	July
5,234	4,873	361	6.9	6.0	August
5,181	4,891	290	5.6	5.9	September
5,215	4,900	315	6.0	6.0	October
5,263	4,945	318	6.0	5.9	November
5,264	4,937	327	6.2	5.8	December
					1988
5,330	4,983	347	6.5	5.8	January
5,355	5,013	342	6.4	5.7	February
5,369	4,958	411	7.7	5.6	March
5,277	4,945	332	6.3	5.4	April
5,248	4,922	326	6.2	5.6	May
5,271	4,959	312	5.9	5.3	June
5,252	4,973	279	5.3	5.4	July
5,298	5,000	298	5.6	5.6	August
5,251	4,947	304	5.8	5.4	September

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

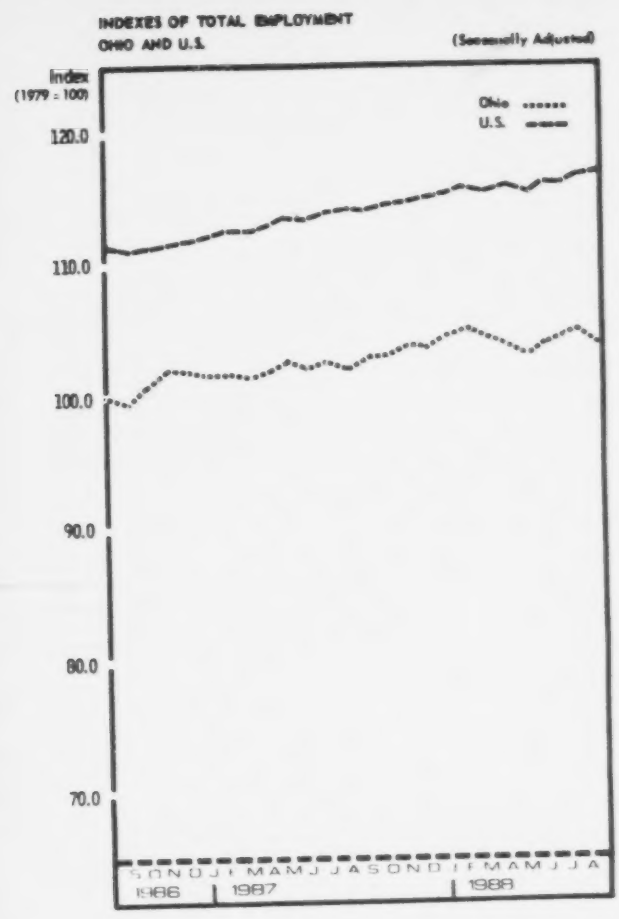
Total Nonagricultural				
	Manufacturing			
		Durable	Nondurable	
				1986
4,484	1,098	742	356	September
4,495	1,098	740	358	October
4,509	1,102	744	358	November
4,521	1,103	745	357	December
				1987
4,532	1,096	740	356	January
4,549	1,099	742	357	February
4,552	1,093	737	356	March
4,552	1,096	738	357	April
4,560	1,094	736	357	May
4,568	1,092	735	357	June
4,567	1,082	725	358	July
4,589	1,095	734	360	August
4,597	1,097	737	360	September
4,610	1,097	736	361	October
4,626	1,100	738	362	November
4,639	1,103	739	364	December
				1988
4,654	1,104	739	366	January
4,665	1,102	737	364	February
4,667	1,096	732	364	March
4,667	1,099	736	363	April
4,673	1,099	736	362	May
4,682	1,100	737	363	June
4,687	1,099	736	363	July
4,689	1,098	736	362	August
4,695	1,100	736	363	September

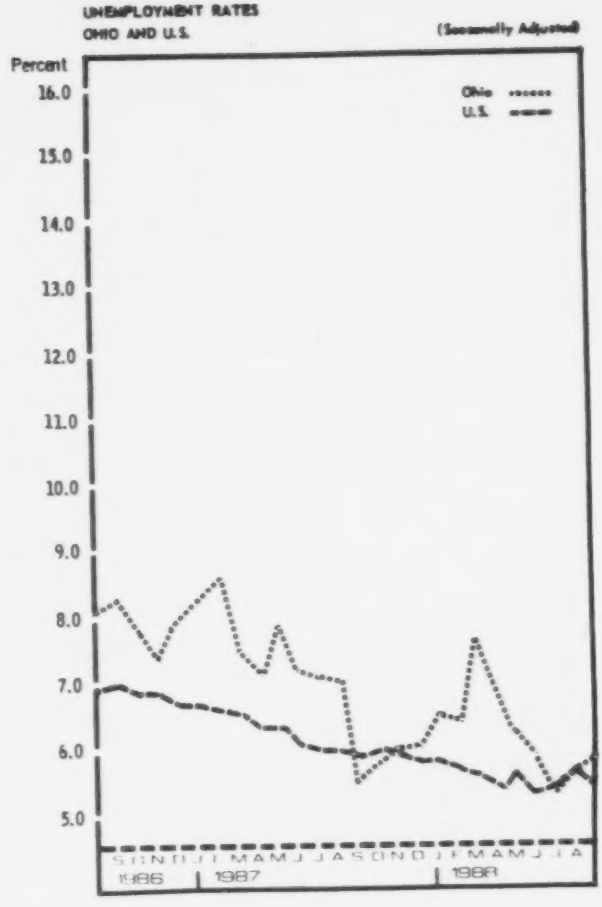
Ohio Nonmanufacturing Wage & Salary Employment

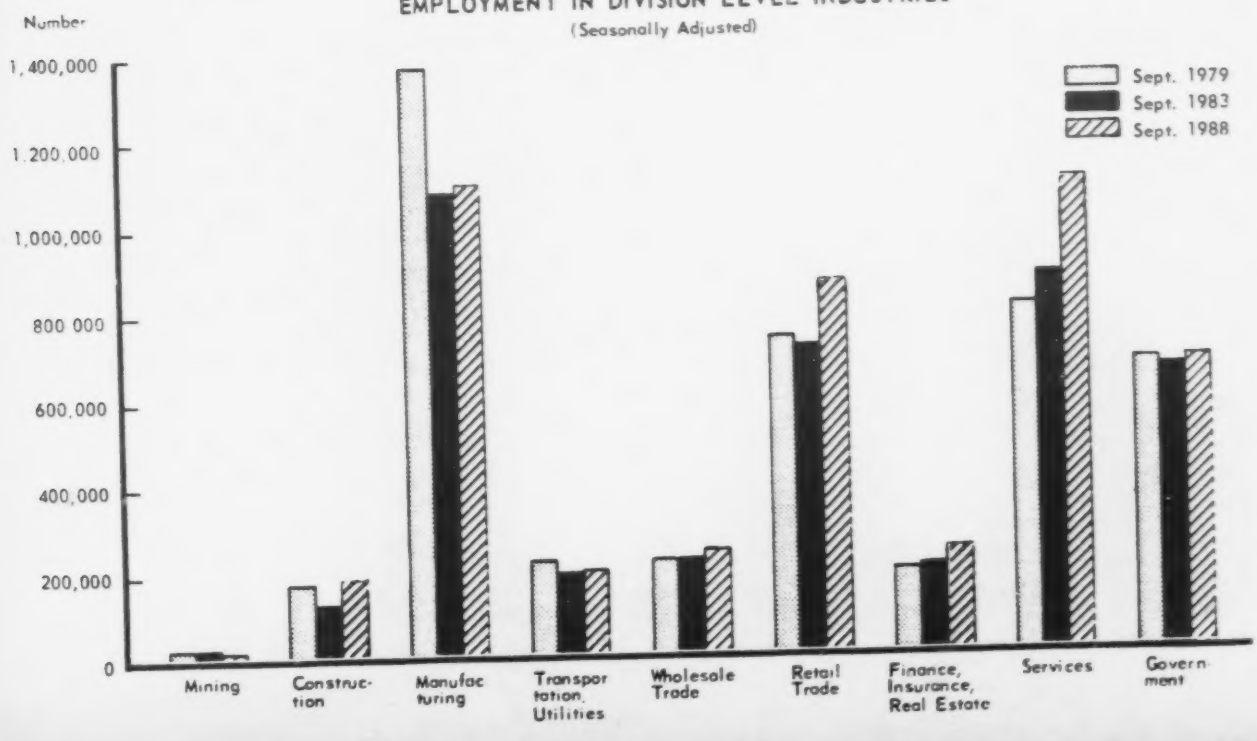
(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance, & Real Estate	Services	Government
					1986				
3,385	21	161	204	244	September	825	235	1012	683
3,397	22	163	205	244	October	827	237	1017	683
3,406	22	164	206	244	November	828	238	1023	682
3,418	22	166	206	244	December	830	239	1028	684
					1987				
3,436	22	173	206	245	January	836	239	1029	686
3,451	22	174	206	246	February	842	240	1035	686
3,459	21	175	206	246	March	845	241	1038	687
3,457	21	173	206	247	April	841	241	1040	687
3,467	21	174	207	248	May	844	242	1044	687
3,476	21	175	207	248	June	845	243	1049	688
3,484	21	176	207	249	July	847	244	1054	686
3,494	21	177	207	250	August	850	245	1057	688
3,500	21	178	207	251	September	852	245	1060	686
3,514	20	180	208	251	October	855	246	1064	690
3,526	20	182	207	252	November	857	246	1069	692
3,536	20	185	208	253	December	859	247	1072	693
					1988				
3,550	20	191	208	253	January	864	248	1075	689
3,563	20	192	207	254	February	869	249	1079	692
3,572	20	192	208	254	March	870	249	1084	694
3,568	20	191	209	254	April	868	250	1084	693
3,574	20	190	209	254	May	869	250	1088	693
3,582	20	191	209	256	June	870	250	1092	694
3,588	20	191	210	256	July	873	251	1094	693
3,591	20	191	210	257	August	875	252	1098	688
3,595	20	191	210	258	September	876	252	1100	688

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates are computed from unrounded figures. All data exclude military personnel. Annual average data for each series are published on page 6. Seasonal adjustment factors for the nonagricultural wage and salary figures are published in the January Review.


INDEXES OF TOTAL EMPLOYMENT
OHIO AND U.S.
(Seasonally Adjusted)
Index
(1979 = 100)
120.0
110.0
100.0
90.0
80.0
70.0
Ohio
U.S.
SONDJFMAMJJASONDJFMAMJJA
1986
1987
1988


UNEMPLOYMENT RATES
OHIO AND U.S.
(Seasonally Adjusted)
Percent
16.0
15.0
14.0
13.0
12.0
11.0
10.0
9.0
8.0
7.0
6.0
5.0
Ohio
U.S.
SONDJFMAMJJASONDJFMAMJJA
1986
1987
1988


EMPLOYMENT IN DIVISION LEVEL INDUSTRIES
(Seasonally Adjusted)
Number
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
0
Sept. 1979
Sept. 1983
Sept. 1988
Mining
Construction
Manufacturing
Transportation, Utilities
Wholesale Trade
Retail Trade
Finance, Insurance, Real Estate
Services
Government

Nonseasonally Adjusted Estimates[a]

Ohio Civilian Labor Force Estimates

(in thousands)

Civilian Labor Force			Unemployment Rate	
Total	Employed	Unemployed	Ohio	U.S.
4,833	4,520	312	6.5	7.1
4,959	4,690	268	5.4	6.1
5,059	4,760	299	5.9	5.8
5,089	4,663	426	8.4	7.1
5,100	4,608	492	9.6	7.6
5,114	4,474	640	12.5	9.7
5,099	4,478	621	12.2	9.6
5,089	4,609	480	9.4	7.5
5,135	4,680	455	8.9	7.2
5,231	4,806	425	8.1	7.0
5,248	4,881	367	7.0	6.2
				1987
5,190	4,903	288	5.5	5.7
5,243	4,940	302	5.8	5.7
5,285	4,980	305	5.8	5.6
5,259	4,937	322	6.1	5.4
				1988
5,258	4,883	375	7.1	6.3
5,279	4,905	374	7.1	6.2
5,295	4,879	416	7.9	5.9
5,257	4,941	316	6.0	5.3
5,243	4,941	302	5.8	5.4
5,325	5,002	323	6.1	5.5
5,336	5,064	272	5.1	5.5
5,343	5,044	299	5.6	5.4
5,251	4,952	300	5.7	5.2

Ohio Nonagricultural Wage & Salary Employment

(in thousands)

	Total Nonagricultural	Manufacturing		
			Durable	Nondurable
1977	4,230.1	1,344.1	945.2	398.9
1978	4,394.9	1,377.2	974.5	402.7
1979	4,484.8	1,382.3	980.5	401.8
1980	4,367.4	1,264.3	882.6	381.8
1981	4,317.7	1,232.6	860.4	372.2
1982	4,124.3	1,099.9	752.4	347.5
1983	4,092.5	1,066.0	723.6	342.4
1984	4,260.2	1,127.0	773.4	353.6
1985	4,372.9	1,124.3	768.7	355.5
1986	4,471.4	1,109.8	752.7	357.1
1987	4,578.9	1,095.3	736.4	358.9
1987				
September	4,641.3	1,108.3	742.1	366.2
October	4,658.8	1,099.8	736.4	363.4
November	4,674.2	1,103.7	740.2	363.6
December	4,676.9	1,102.9	738.6	364.3
1988				
January	4,565.8	1,094.5	732.6	361.9
February	4,568.8	1,092.4	732.3	360.1
March	4,595.8	1,088.8	729.0	359.7
April	4,653.9	1,097.7	737.1	360.6
May	4,704.6	1,099.7	738.4	361.3
June	4,728.6	1,106.7	742.1	364.7
July	4,692.8	1,100.0	736.6	363.3
August	4,693.3	1,101.2	735.6	365.6
September	4,740.4	1,110.8	741.6	369.3

Ohio Nonmanufacturing Wage & Salary Employment

(in thousands)

Total Nonmanufacturing	Mining	Construction	Transportation & Public Utilities	Wholesale Trade		Retail Trade	Finance, Insurance & Real Estate	Services	Government
2,886.0	29.1	162.8	219.1	214.6	1977	703.2	183.4	731.4	642.3
3,017.7	29.0	176.6	225.0	226.0	1978	730.4	191.1	772.1	667.5
3,102.5	31.6	182.9	232.1	232.8	1979	742.4	200.6	806.2	674.0
3,103.0	30.7	167.4	223.1	230.6	1980	726.6	203.8	830.9	689.9
3,085.1	30.7	153.7	217.2	232.5	1981	717.7	205.8	851.6	676.0
3,024.4	30.3	134.6	206.8	226.0	1982	703.4	206.4	857.3	659.6
3,026.5	26.6	130.8	198.5	222.5	1983	711.0	207.8	873.3	656.1
3,133.1	27.8	144.8	203.9	236.7	1984	748.0	211.5	905.2	655.2
3,248.6	26.1	154.0	202.7	243.7	1985	787.9	219.3	949.5	665.2
3,361.6	22.6	160.7	203.4	244.3	1986	818.6	232.3	1,001.0	678.9
3,483.6	20.9	177.0	206.9	248.7	1987	847.7	243.1	1,051.2	688.1
					1987				
3,533.0	21.4	196.4	209.3	251.2	September	861.1	246.1	1,074.7	672.7
3,559.0	20.7	198.6	210.0	252.4	October	862.3	245.7	1,070.4	698.9
3,570.4	20.8	192.7	209.6	252.2	November	873.9	246.2	1,067.5	707.6
3,573.9	20.5	182.9	209.6	252.8	December	887.8	246.7	1,064.7	708.9
					1988				
3,471.3	20.1	163.5	203.3	250.9	January	846.2	245.9	1,047.8	693.6
3,476.4	19.7	158.9	202.3	250.8	February	838.0	246.4	1,056.5	703.7
3,507.1	19.5	165.5	204.5	251.6	March	843.1	247.1	1,066.9	708.9
3,556.2	19.8	179.1	207.2	253.4	April	857.3	248.6	1,085.1	705.8
3,605.0	19.9	191.0	209.3	255.3	May	870.9	250.1	1,098.0	710.5
3,621.9	20.3	200.1	210.9	257.6	June	877.4	252.5	1,109.4	693.7
3,592.8	20.5	209.0	211.2	257.9	July	878.8	253.9	1,108.4	653.2
3,592.0	20.5	212.2	211.7	258.1	August	883.8	254.4	1,110.1	641.3
3,629.5	20.5	211.3	212.4	258.2	September	885.3	253.2	1,114.8	673.9

[a]Estimated in cooperation with U.S. Department of Labor. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding. Unemployment rates and averages are computed from unrounded figures. All data exclude military personnel.

Employment, Hours & Earnings in Manufacturing in Ohio*

Manufacturing Employment
(in thousands)

Manufacturing	Durable Goods	Nondurable Goods		Production Workers (in thous.)	Aggregate Weekly Payroll (in millions)	Aggregate Weekly Hours (in millions)
1,344.1	945.2	398.9	1977	958.0	$271.2	40.2
1,377.2	974.5	402.7	1978	985.5	302.5	41.5
1,382.3	980.5	401.8	1979	979.0	318.5	40.6
1,264.3	882.6	381.8	1980	867.8	301.9	35.2
1,232.6	860.4	372.2	1981	847.7	330.4	34.7
1,099.9	752.4	347.5	1982	735.7	297.1	29.5
1,066.0	723.6	342.4	1983	721.6	315.4	29.9
1,127.0	773.4	353.6	1984	781.5	362.3	33.1
1,124.3	768.7	355.5	1985	773.4	369.7	32.5
1,109.8	752.7	357.1	1986	758.5	369.1	31.9
1,095.3	736.4	358.9	1987	748.5	374.0	31.9
			1987			
1,108.3	742.1	366.2	September	760.8	380.5	32.4
1,099.8	736.4	363.4	October	753.7	380.3	32.3
1,103.7	740.2	363.6	November	759.0	388.2	32.8
1,102.9	738.6	364.3	December	758.6	388.9	32.8
			1988			
1,094.5	732.6	361.9	January	750.1	380.8	32.1
1,092.4	732.3	360.1	February	748.5	376.4	31.7
1,088.8	729.0	359.7	March	744.5	378.6	31.8
1,097.7	737.1	360.6	April	752.3	388.8	32.4
1,099.7	738.4	361.3	May	754.3	389.5	32.4
1,106.7	742.1	364.7	June	759.3	396.2	32.9
1,100.0	736.6	363.3	July	751.9	377.8	31.8
1,101.2	735.6	365.6	August	753.6	380.6	32.0
1,110.8	741.6	369.3	September	763.7	399.7	33.1

Production Workers
Average Weekly Earnings

Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods		Manufacturing	Durable Goods	Nondurable Goods
$283.08	$292.02	$258.34	1977	42.0	42.2	41.4	1977	$6.74	$6.92	$6.24
306.91	316.81	279.30	1978	42.1	42.3	41.5	1978	7.29	7.49	6.73
325.36	335.30	297.78	1979	41.5	41.6	41.1	1979	7.84	8.06	7.25
347.94	358.51	319.99	1980	40.6	40.7	40.2	1980	8.57	8.81	7.96
389.78	401.64	358.16	1981	40.9	40.9	40.7	1981	9.53	9.82	8.80
403.81	414.80	378.95	1982	40.1	40.0	40.4	1982	10.07	10.37	9.38
437.18	452.35	402.52	1983	41.4	41.5	41.2	1983	10.56	10.90	9.77
463.61	482.38	417.83	1984	42.3	42.5	41.7	1984	10.96	11.35	10.02
477.96	499.56	425.80	1985	42.0	42.3	41.3	1985	11.38	11.81	10.31
486.68	507.95	439.71	1986	42.1	42.4	41.6	1986	11.56	11.98	10.57
499.70	519.52	455.03	1987	42.6	42.9	41.9	1987	11.73	12.11	10.86
			1987				1987			
500.12	516.67	461.92	September	42.6	42.7	42.3	September	11.74	12.10	10.92
504.50	524.02	461.07	October	42.9	43.2	42.3	October	11.76	12.13	10.90
511.49	531.57	466.90	November	43.2	43.5	42.6	November	11.84	12.22	10.96
512.67	532.36	469.27	December	43.3	43.6	42.7	December	11.84	12.21	10.99
			1988				1988			
507.61	527.11	464.45	January	42.8	43.1	42.3	January	11.86	12.23	10.98
502.86	525.16	454.27	February	42.4	42.8	41.6	February	11.86	12.27	10.92
508.56	530.56	460.74	March	42.7	43.1	42.0	March	11.91	12.31	10.97
516.86	538.22	465.89	April	43.0	43.3	42.2	April	12.02	12.43	11.04
516.43	540.27	460.90	May	43.0	43.5	41.9	May	12.01	12.42	11.00
521.77	547.87	464.62	June	43.3	43.9	42.2	June	12.05	12.48	11.01
502.52	521.85	461.47	July	42.3	42.6	41.8	July	11.88	12.25	11.04
504.98	525.21	460.22	August	42.4	42.7	41.8	August	11.91	12.30	11.01
523.40	547.06	470.05	September	43.4	43.8	42.5	September	12.06	12.49	11.06

Production Workers
Average Weekly Hours

Production Workers
Average Hourly Earnings

*Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision. Subtotals may not add to totals due to rounding.

Employment & Average Weekly Earnings in Selected Major Manufacturing Industries in Ohio[a]

Employment

(in thousands)

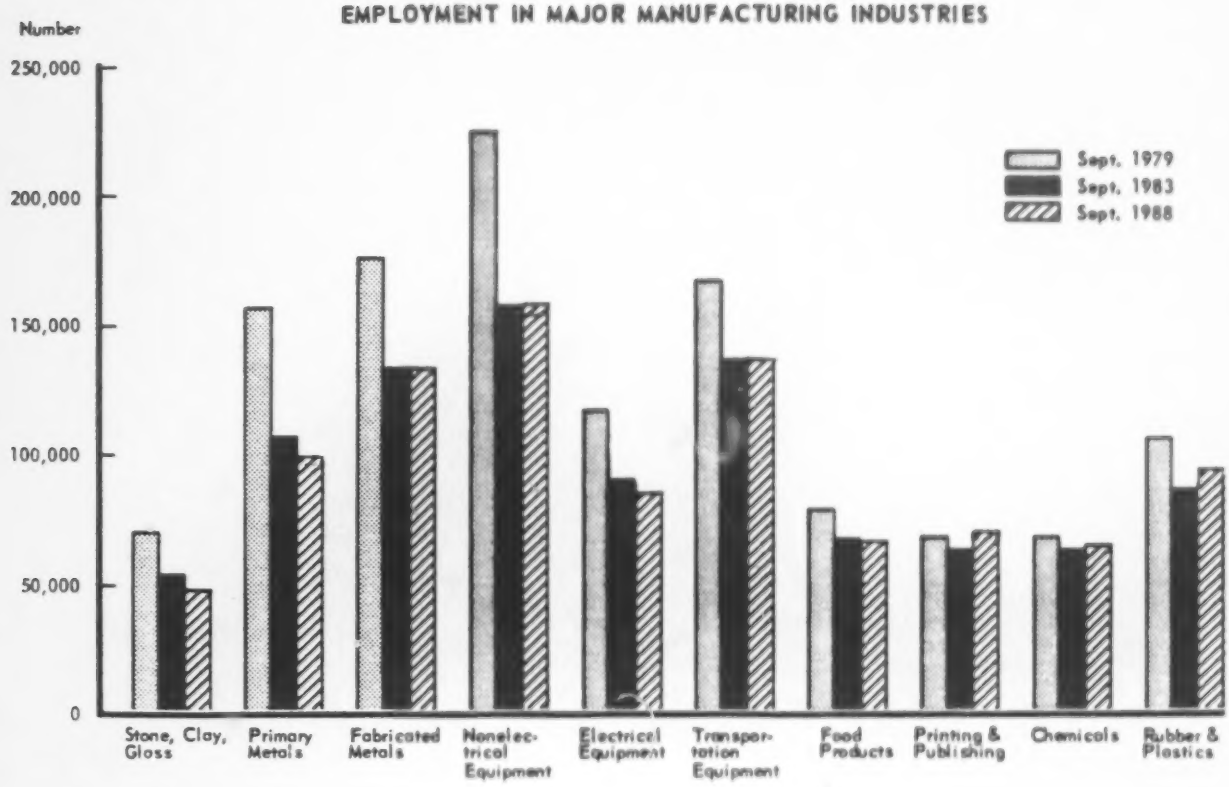
Stone, Clay & Glass Products	Primary Metal Industries	Fabricated Metal Products		Machinery, Except Electrical	Electric & Electronic Equipment	Transportation Equipment		Food & Kindred Products	Printing & Publishing	Rubber & Plastics Products
67.1	157.7	166.5	1977	210.7	120.9	151.8	1977	74.4	65.4	107.4
69.3	157.5	173.3	1978	216.7	122.2	164.1	1978	74.6	66.6	107.4
69.7	158.9	175.5	1979	223.6	117.6	165.8	1979	74.4	67.6	106.7
64.5	139.8	157.6	1980	211.4	106.4	139.1	1980	72.7	67.4	92.7
61.0	138.3	154.9	1981	204.2	101.9	136.9	1981	69.2	66.1	89.0
54.2	112.7	134.9	1982	176.7	93.4	121.7	1982	66.9	63.2	80.4
52.1	104.1	129.7	1983	154.3	89.4	132.1	1983	63.4	62.8	82.7
52.5	108.9	138.7	1984	167.3	93.1	144.9	1984	62.8	65.1	90.8
50.4	101.8	139.5	1985	166.2	90.7	151.2	1985	62.9	66.8	91.4
49.5	95.4	136.5	1986	158.6	89.1	153.9	1986	63.0	68.4	92.7
48.0	95.4	133.4	1987	154.4	86.3	148.0	1987	63.4	70.2	92.9
			1987				1987			
48.5	97.2	134.5	September	155.2	86.4	147.4	September	67.7	70.8	93.4
48.2	97.5	134.1	October	153.9	85.4	144.4	October	64.0	71.1	94.2
48.3	98.2	135.0	November	154.4	86.2	145.3	November	63.1	71.6	94.7
48.1	98.0	134.8	December	155.1	86.3	144.2	December	63.8	71.7	94.5
			1988				1988			
46.8	97.5	133.0	January	154.8	85.9	143.1	January	62.9	70.9	94.1
46.5	97.6	133.1	February	154.8	85.9	142.4	February	62.0	70.8	93.8
47.2	98.5	133.7	March	155.4	85.4	136.3	March	62.0	71.1	93.4
47.8	98.3	134.2	April	156.2	85.2	142.0	April	62.1	70.7	94.1
48.3	99.2	134.8	May	155.6	85.5	141.3	May	62.4	70.5	94.1
49.0	99.6	135.8	June	156.7	85.8	140.5	June	63.6	71.1	94.8
48.9	97.7	134.0	July	157.3	84.7	139.5	July	63.4	71.1	93.4
49.0	98.3	132.3	August	157.1	85.2	139.1	August	64.9	71.2	94.0
48.7	100.7	135.1	September	158.5	85.4	138.0	September	67.4	71.5	94.5

Average Weekly Earnings of Production Workers

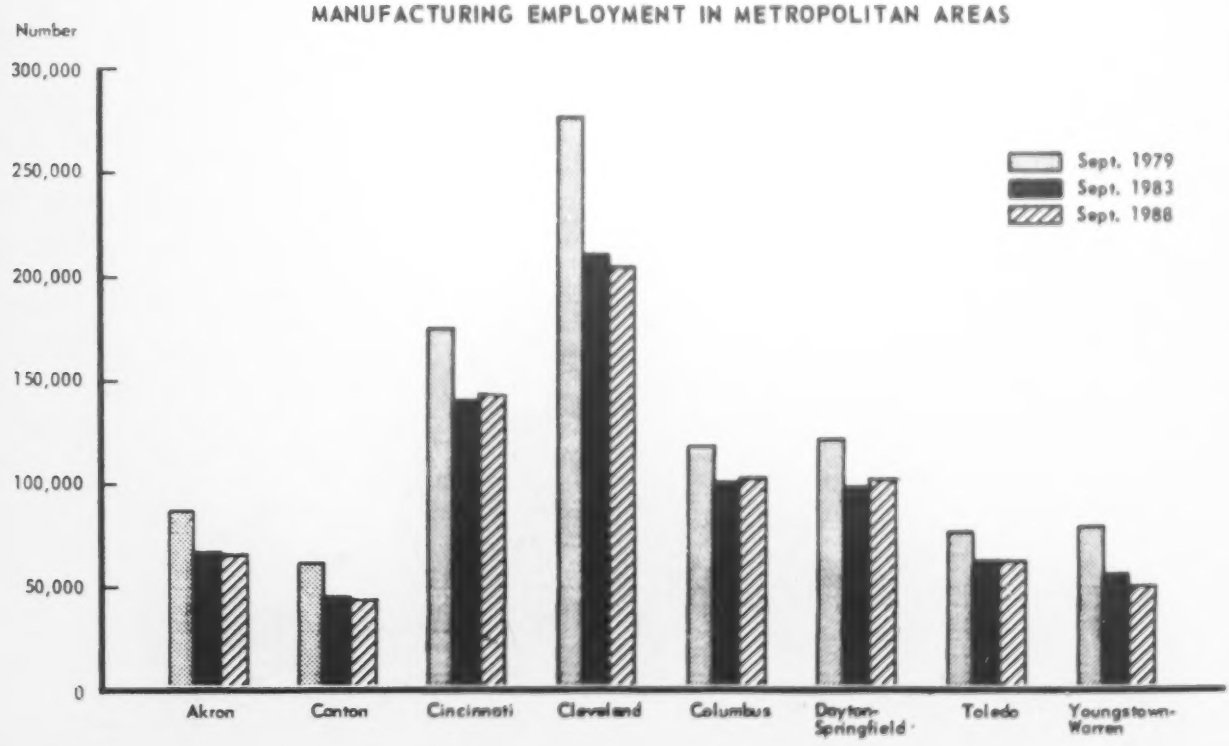
$253.95	$329.54	$290.44	1977	$279.18	$248.44	$359.20	1977	$258.54	$271.96	$263.97
274.81	366.24	307.23	1978	306.16	268.45	389.66	1978	281.15	285.18	282.73
293.34	395.43	323.38	1979	329.09	289.27	391.56	1979	304.50	302.62	300.66
315.43	422.01	349.34	1980	352.77	316.31	414.83	1980	329.85	320.92	323.61
348.02	484.04	389.61	1981	389.16	350.27	471.50	1981	362.75	347.70	368.67
376.88	480.54	398.77	1982	392.63	366.56	506.99	1982	386.04	358.45	381.11
400.57	503.85	460.65	1983	424.09	394.63	557.92	1983	403.79	375.62	412.25
419.15	537.21	475.30	1984	467.61	420.65	603.46	1984	419.19	386.30	419.99
434.30	548.83	492.15	1985	475.58	433.30	635.26	1985	413.25	395.14	429.17
443.81	559.93	494.91	1986	485.18	459.80	632.06	1986	416.83	410.70	438.96
449.82	602.53	500.12	1987	502.36	463.01	638.13	1987	440.34	429.00	441.34
			1987				1987			
460.31	630.20	484.88	September	489.41	452.08	634.36	September	453.64	444.24	437.38
451.76	601.12	503.43	October	510.85	466.07	652.50	October	432.22	442.18	453.44
457.53	614.66	511.06	November	521.70	475.58	653.43	November	444.15	446.00	454.31
451.76	611.52	514.65	December	520.68	476.27	656.37	December	455.80	450.64	451.44
			1988				1988			
448.56	614.21	506.11	January	507.17	480.80	649.28	January	450.93	434.17	448.59
453.90	610.54	508.89	February	511.81	477.57	640.41	February	438.19	433.83	441.44
464.61	611.88	509.41	March	518.52	470.82	663.00	March	445.12	447.08	440.41
459.43	631.48	523.50	April	528.23	472.92	662.64	April	443.22	440.95	453.10
468.70	633.36	518.06	May	526.59	469.25	678.00	May	436.31	445.31	452.92
469.15	642.16	531.73	June	531.19	471.66	690.53	June	438.88	441.00	451.62
458.53	607.31	498.80	July	517.65	457.56	639.64	July	447.30	440.27	434.70
457.69	619.10	500.83	August	508.26	464.80	653.17	August	456.22	445.61	434.84
471.28	636.96	522.10	September	527.35	479.68	694.27	September	446.68	452.53	453.35

[a]Estimated in cooperation with the U.S. Bureau of Labor Statistics. Data for latest month are preliminary, although other months are subject to revision.

EMPLOYMENT IN MAJOR MANUFACTURING INDUSTRIES



MANUFACTURING EMPLOYMENT IN METROPOLITAN AREAS



Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1988[b]	August 1988[c]	September 1987[c]	From Last Month	From Last Year
TOTAL	4740.4	4693.3	4641.3	47.1	99.1
MANUFACTURING	1110.8	1101.2	1108.3	9.6	2.5
Durable Goods[e]	741.6	735.6	742.1	5.9	- .5
Lumber and wood products	22.9	22.7	20.4	.2	2.5
Furniture and fixtures	14.4	14.2	14.9	.2	- .5
Stone, clay, and glass products	48.7	49.0	48.5	- .3	.2
Glass and glassware, pressed or blown	9.5	9.6	9.9	- .1	- .3
Primary metal industries	100.7	98.3	97.2	2.3	3.4
Blast furnace and basic steel products	45.4	45.3	43.4	.1	2.0
Iron and steel foundries	21.8	20.7	20.3	1.1	1.6
Nonferrous rolling and drawing	18.2	17.4	18.1	.8	.1
Fabricated metal products	135.1	132.3	134.5	2.7	.5
Cutlery, hand tools, and hardware	9.9	9.7	9.6	.2	.3
Fabricated structural metal products	28.6	27.7	29.8	1.0	- 1.2
Metal forgings and stampings	42.6	41.2	42.4	1.3	.2
Machinery, except electrical	158.5	157.1	155.2	1.3	3.3
Construction and related machinery	12.7	12.9	12.3	- .2	.4
Metalworking machinery	40.2	40.3	39.9	.0	.3
Special industry machinery	17.9	17.7	16.7	.2	1.2
General industrial machinery	28.1	27.8	27.5	.3	.6
Office and computing machines	13.3	13.2	13.7	.1	- .4
Refrigeration and service machinery	15.8	15.4	16.4	.4	- .5
Electric and electronic equipment	85.4	85.2	86.4	.3	- 1.0
Electrical industrial apparatus	17.1	17.0	16.0	.1	1.1
Household appliances	15.4	15.3	16.4	.0	- 1.0
Electric lighting and wiring equipment	17.1	16.8	16.8	.3	.3
Communication equipment	9.9	9.8	10.2	.1	- .3
Transportation equipment	138.0	139.1	147.4	- 1.1	- 9.5
Motor vehicles and equipment	91.4	91.1	94.7	.3	- 3.3
Aircraft and parts	37.6	39.1	43.0	- 1.6	- 5.5
Instruments and related products	23.5	23.4	23.1	.2	.5
Measuring and controlling devices	12.9	12.8	12.8	.2	.1
Nondurable Goods[f]	369.3	365.6	366.2	3.7	3.0
Food and kindred products	67.4	64.9	67.7	2.5	- .3
Meat products	9.3	9.4	9.9	- .1	- .5
Dairy products	11.0	11.1	10.7	- .1	.4
Preserved fruits and vegetables	13.7	11.0	13.8	2.7	- .1
Bakery products	9.4	9.3	9.3	.2	.1
Beverages	9.7	9.8	9.7	- .1	.0
Apparel and other textile products	16.8	16.5	16.3	.3	.5
Paper and allied products	37.7	37.4	37.5	.3	.2
Misc. converted paper products	12.5	12.2	12.2	.3	.3
Paperboard containers and boxes	13.0	13.1	13.1	- .1	- .1
Printing and publishing	71.5	71.2	70.8	.3	.7
Newspapers	19.3	19.3	19.3	.1	.0
Commercial printing	26.6	26.3	26.5	.2	.1
Chemicals and allied products	64.4	64.5	63.7	- .1	.7
Industrial inorganic chemicals	9.3	9.3	9.4	.0	- .1
Rubber and misc. plastics products	94.5	94.0	93.4	.5	1.1
Tires and inner tubes	17.2	17.2	17.3	.1	- .1
Miscellaneous plastics products	56.4	56.1	55.4	.3	1.0

See footnotes on page 13.

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1988[b]	August 1988[c]	September 1987[c]	From Last Month	From Last Year
NONMANUFACTURING	3629.5	3592.0	3533.0	37.5	96.6
MINING	20.5	20.5	21.4	.0	- .9
Bituminous coal and lignite mining	8.5	8.5	9.3	.0	- .7
Oil and gas extraction	6.9	6.8	6.9	.1	.0
CONSTRUCTION	211.3	212.2	196.4	- .9	15.0
General building contractors	52.3	52.9	48.2	- .5	4.1
Heavy construction contractors	30.2	30.1	27.7	.1	2.5
Highway and street construction	14.5	14.5	12.7	- .1	1.7
Special trade contractors	128.8	129.3	120.5	- .5	8.3
TRANSPORTATION AND PUBLIC UTILITIES	212.4	211.7	209.3	.7	3.0
Railroad transportation	13.4	13.6	14.2	- .1	- .8
Transportation, except railroads	109.4	108.0	105.4	1.4	4.1
Trucking and warehousing	75.4	74.6	73.4	.7	2.0
Communication, electric, gas services	89.5	90.1	89.8	- .6	- .3
Communication	47.5	47.7	47.6	- .3	- .1
Electric, gas, and sanitary services	42.0	42.4	42.2	- .3	- .2
WHOLESALE TRADE	258.2	258.1	251.2	.1	7.0
Wholesale trade-durable goods	162.2	162.3	157.8	- .1	4.4
Motor vehicles & automotive equipment	22.4	22.4	22.0	.0	.4
Electrical goods	19.4	19.5	19.3	- .1	.1
Machinery, equipment, and supplies	69.2	69.2	67.5	.0	1.7
Wholesale trade-nondurable goods	96.0	95.8	93.4	.2	2.6
Groceries and related products	30.2	30.1	29.3	.1	.8
RETAIL TRADE	885.3	883.8	861.1	1.5	24.2
General merchandise stores	119.3	117.9	118.2	1.4	1.1
Department stores	103.3	102.2	102.8	1.1	.5
Food stores	135.9	134.9	132.6	1.1	3.4
Automotive dealers & service stations	97.4	97.5	94.5	- .1	2.9
Apparel and accessory stores	44.4	44.2	41.8	.2	2.6
Eating and drinking places	313.7	315.1	306.4	- 1.5	7.3
FINANCE, INSURANCE, AND REAL ESTATE	253.2	254.4	246.1	- 1.2	7.1
Banking	64.7	65.1	63.6	- .4	1.1
Credit agencies other than banks	38.3	38.4	37.6	- .2	.7
Insurance carriers	69.5	69.6	68.3	- .1	1.2
Life insurance	25.7	25.7	25.8	.0	.0
Fire, marine, and casualty insurance	31.0	31.2	30.2	- .2	.8
SERVICES	1114.8	1110.1	1074.7	4.7	40.0
Hotels and other lodging places	36.9	37.7	35.9	- .9	.9
Personal services	58.4	58.1	56.2	.3	2.2
Laundry, cleaning, & garment services	19.5	19.3	19.0	.2	.4
Business services	229.5	229.1	215.6	.4	13.9
Services to buildings	32.3	32.3	30.0	.0	2.3
Computer and data processing services	20.9	21.0	19.0	- .1	1.9
Amusement and recreation services	51.4	55.3	50.5	- 3.9	.9
Health services	374.5	374.1	364.6	.5	9.9
Nursing and personal care facilities	83.4	83.2	81.0	.2	2.4
Hospitals	180.3	180.1	178.3	.1	2.0
Educational services	58.7	48.4	58.1	10.3	.6
Colleges and universities	30.6	23.5	30.5	7.1	.1
GOVERNMENT	673.9	641.3	672.7	32.6	1.2
Federal government	95.0	94.8	95.1	.2	- .1
State government	146.7	135.8	143.3	11.0	3.5
State government education[1]	72.2	59.5	68.7	12.7	3.5
State government, except education	74.6	76.3	74.6	- 1.8	.0
Local government	432.2	410.8	434.4	21.4	- 2.2
Local government education	243.9	216.7	247.4	27.2	- 3.4
Local government, except education	188.2	194.1	187.0	- 5.9	1.2

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]
MANUFACTURING	$523.40	$504.98	$500.12	43.4	42.4	42.6	$12.06	$11.91	$11.74
Durable Goods[e]	547.06	525.21	516.67	43.8	42.7	42.7	12.49	12.30	12.10
Lumber and wood products	318.19	319.14	293.46	42.2	41.5	40.2	7.54	7.69	7.30
Furniture and fixtures	384.37	382.47	353.33	42.1	41.8	40.8	9.13	9.15	8.66
Stone, clay, and glass products	471.28	457.69	460.31	43.0	42.3	42.7	10.96	10.82	10.78
Glass and glassware, pressed or blown.	523.48	503.96	477.82	44.4	43.0	40.7	11.79	11.72	11.74
Primary metal industries	636.96	619.10	630.20	45.4	44.7	45.7	14.03	13.85	13.79
Blast furnace and basic steel products	650.51	649.80	667.81	45.3	45.6	46.7	14.36	14.25	14.30
Iron and steel foundries	663.43	628.34	616.86	46.2	44.5	44.7	14.36	14.12	13.80
Nonferrous rolling and drawing	672.08	622.34	660.22	44.1	41.6	44.7	15.24	14.96	14.77
Fabricated metal products	522.10	500.83	484.88	43.4	42.3	41.8	12.03	11.84	11.60
Cutlery, hand tools, and hardware	500.14	483.52	456.30	41.3	40.7	39.1	12.11	11.88	11.67
Fabricated structural metal products	468.60	456.45	455.18	42.6	42.5	42.7	11.00	10.74	10.66
Metal forgings and stampings	639.36	616.40	585.97	44.4	43.5	42.4	14.40	14.17	13.82
Machinery, except electrical	527.35	508.26	489.41	43.8	43.0	42.3	12.04	11.82	11.57
Construction and related machinery	438.90	430.96	410.04	42.0	41.8	40.8	10.45	10.31	10.05
Metalworking machinery	516.18	497.45	477.48	45.2	44.1	42.9	11.42	11.28	11.13
Special industry machinery	530.20	488.75	475.90	45.2	43.1	41.6	11.73	11.34	11.44
General industrial machinery	546.94	522.46	525.64	43.1	42.1	42.7	12.69	12.41	12.31
Office and computing machines	457.97	464.03	428.26	41.9	42.3	43.7	10.93	10.97	9.80
Refrigeration and service machinery	612.55	568.43	540.38	44.1	42.2	41.6	13.89	13.47	12.99
Electric and electronic equipment	479.68	464.80	452.08	42.3	41.5	40.4	11.34	11.20	11.19
Electrical industrial apparatus	492.40	489.50	464.12	44.4	44.5	41.7	11.09	11.00	11.13
Household appliances	486.37	481.60	453.53	40.7	40.2	38.5	11.95	11.98	11.78
Electric lighting and wiring equipment	502.36	474.29	443.25	42.9	41.1	39.4	11.71	11.54	11.25
Communication equipment	479.35	462.87	492.46	40.9	39.8	40.8	11.72	11.63	12.07
Transportation equipment	694.27	653.17	634.36	45.2	43.4	43.9	15.36	15.05	14.45
Motor vehicles and equipment	727.54	683.08	648.68	45.7	43.9	43.8	15.92	15.56	14.81
Aircraft and parts	601.00	576.71	605.49	43.3	41.7	44.1	13.88	13.83	13.73
Instruments and related products	381.36	366.03	379.55	40.7	39.7	41.3	9.37	9.22	9.19
Measuring and controlling devices	374.92	356.19	354.63	39.8	38.3	38.8	9.42	9.30	9.14
Nondurable Goods[f]	470.05	460.22	461.92	42.5	41.8	42.3	11.06	11.01	10.92
Food and kindred products	446.68	456.22	453.64	42.5	42.4	44.0	10.51	10.76	10.31
Meat products	365.24	370.96	393.13	40.9	40.9	42.5	8.93	9.07	9.25
Dairy products	456.67	458.39	496.30	42.6	42.8	45.2	10.72	10.71	10.98
Preserved fruits and vegetables	461.02	491.62	454.72	44.5	43.2	46.4	10.36	11.38	9.80
Bakery products	464.53	466.88	455.07	39.3	39.6	39.4	11.82	11.79	11.55
Beverages	439.90	454.53	456.38	41.5	42.4	43.3	10.60	10.72	10.54
Apparel and other textile products	311.00	292.04	291.06	40.6	39.2	38.5	7.66	7.45	7.56
Paper and allied products	518.69	484.96	510.98	45.3	43.3	45.3	11.45	11.20	11.28
Misc. converted paper products	449.45	433.00	460.34	44.5	43.3	43.8	10.10	10.00	10.51
Paperboard containers and boxes	456.88	428.26	440.06	44.4	41.7	43.7	10.29	10.27	10.07
Printing and publishing	452.53	445.61	444.24	39.8	39.4	39.7	11.37	11.31	11.19
Newspapers	383.78	370.33	400.75	34.7	34.1	36.8	11.06	10.86	10.89
Commercial printing	459.12	449.49	439.11	41.7	40.9	41.0	11.01	10.99	10.71
Chemicals and allied products	557.26	549.05	542.27	42.8	42.3	42.2	13.02	12.98	12.85
Industrial inorganic chemicals	594.00	589.95	608.96	44.0	43.7	44.0	13.50	13.50	13.84
Rubber and misc. plastics products	453.35	434.84	437.38	43.3	42.3	42.3	10.47	10.28	10.34
Tires and inner tubes	696.38	681.82	664.41	46.8	46.1	46.3	14.88	14.79	14.35
Miscellaneous plastics products	435.59	413.55	413.34	43.0	41.9	41.5	10.13	9.87	9.96

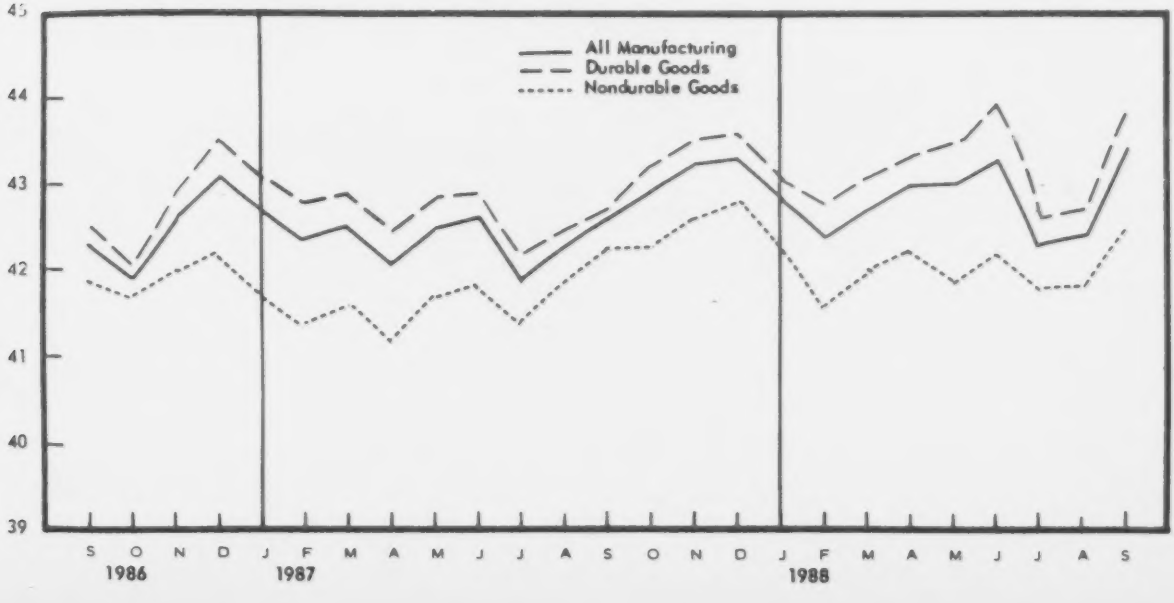
See footnotes on page 13.

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]
MINING	$547.27	$551.15	$541.30	43.4	43.5	43.2	$12.61	$12.67	$12.53
Bituminous coal and lignite mining	647.39	672.78	653.26	41.0	42.5	42.2	15.79	15.83	15.48
CONSTRUCTION	609.52	596.69	538.37	40.1	39.7	36.9	15.20	15.03	14.59
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	580.92	582.91	566.50	41.2	41.4	41.2	14.10	14.08	13.75
Communication	565.90	567.85	558.42	40.8	41.0	41.0	13.87	13.85	13.62
Electric, gas, and sanitary services	597.79	600.85	576.29	41.6	41.9	41.4	14.37	14.34	13.92
WHOLESALE TRADE	393.28	391.95	382.76	38.9	39.0	39.5	10.11	10.05	9.69
Wholesale trade-durable goods	385.67	385.53	375.14	38.8	39.1	39.2	9.94	9.86	9.57
Wholesale trade-nondurable goods	404.17	403.39	392.83	38.9	38.9	39.8	10.39	10.37	9.87
RETAIL TRADE[h]	168.19	168.48	164.16	28.8	29.2	28.8	5.84	5.77	5.70
General merchandise stores	181.55	178.18	189.00	28.5	28.6	30.0	6.37	6.23	6.30
Department stores	185.33	183.74	195.13	28.6	28.8	30.3	6.48	6.38	6.44
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	264.95	267.91	257.46	....	....	....	.....	.....	.....
Credit agencies other than banks	272.48	276.60	252.70	....	....	....	.....	.....	.....
Insurance carriers	377.39	372.50	348.69	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	340.96	339.99	335.32	33.2	33.3	33.2	10.27	10.21	10.10

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [h]Money payments only; tips not included. [i]Includes State universities, State schools for deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

AVERAGE WEEKLY HOURS OF PRODUCTION WORKERS IN OHIO MANUFACTURING INDUSTRIES



Labor Surplus Areas in Ohio

Designated by U.S. Department of Labor.

The U.S. Department of Labor has designated labor surplus areas for the period October 1, 1988 through September 30, 1989. Employers located in labor surplus areas can be given preference in bidding on federal procurement contracts under Executive Orders 12073 (Federal Procurement in Labor Surplus Areas) and 10582 (Implementing the Buy American Act). Designated areas in Ohio are listed below.

The classification, Labor Surplus Area, is assigned on a county level unless a county contains a city or cities with a population of 25,000 or more. In that case, the city or cities and the balance-of-county are classified separately. A qualifying city is listed below only if the entire county in which it is located does not qualify. To qualify as a labor surplus area during this period, the average unemployment rate in the specified area for the two-year period January 1986 through December 1987 must be at least 8.0 percent.

In exceptional circumstances, the Ohio Bureau of Employment Services may petition the Employment and Training Administration, U.S. Department of Labor, to waive the regular criteria when an area experiences a significant increase in unemployment which is not temporary or seasonal and which was not adequately reflected in data for the reference period. The unemployment rate for each of the most recent three months and projected for each of the next twelve months must be at least 8.0 percent.

Questions about Labor Surplus Areas may be directed to: Dixie Sommers, Director, OBES - Labor Market Information Division, 145 S. Front St., Columbus, OH 43215, phone (614) 644-2689, or to one of the Labor Market Analysts in the following areas:

Akron/Canton	Erich Hetzel	(216) 434-2141
Bowling Green	Don Wonnell	(419) 865-7248
Cincinnati	Gary Flesch	(513) 852-3180
Cleveland	Thomas Buescher	(216) 888-6900
Steubenville	Pietro Scaffidi	(614) 283-4165
Youngstown	Donald Curry	(216) 744-5201

Labor Surplus Areas in Ohio

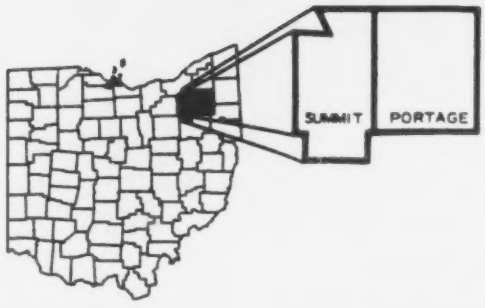
Cities

		Dayton	Lima	Middletown
		East Cleveland	Mansfield	Newark
Akron	Canton	Hamilton	Marion	Toledo
Barberton	Cleveland	Lancaster	Massillon	Youngstown

Counties

		Henry	Lorain	Portage (less Kent City)
		Highland	Meigs	Putnam
Adams	Darke	Hocking	Monroe	Ross
Ashtabula	Defiance	Huron	Morgan	Sandusky
Belmont	Fayette	Jackson	Morrow	Scioto
Brown	Fulton	Jefferson	Muskingum	Seneca
Carroll	Gallia	Knox	Noble	Trumbull
Columbiana	Guernsey	Lake (less Mentor City)	Ottawa	Tuscarawas
Coshocton	Hardin	Lawrence	Perry	Vinton
Crawford	Harrison	Logan	Pike	Washington

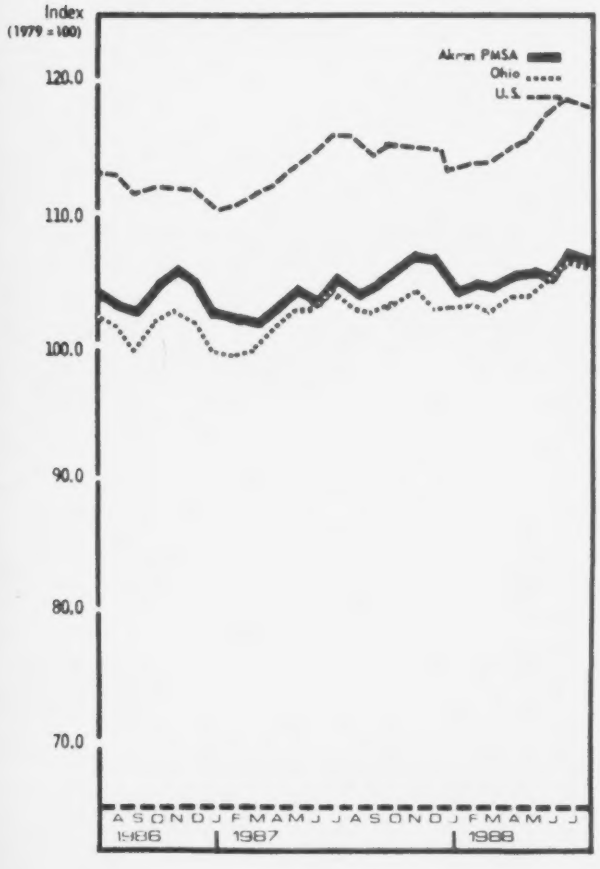
AKRON
PRIMARY METROPOLITAN STATISTICAL AREA



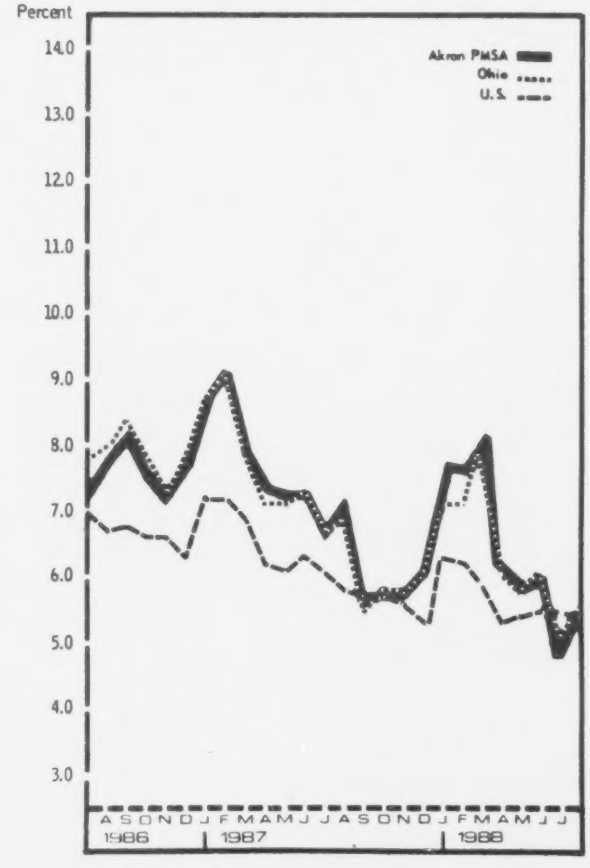
Nonagricultural wage and salary employment in the Akron metropolitan area increased 5,200 from August, to 273,200 in September 1988. The improvement was concentrated in the nonmanufacturing sector, as nonteaching personnel in state and local schools and colleges returned to work following the summer recess. Manufacturing employment added 200 jobs over the month. Growth in fabricated metal products (+1,200) more than offset the effect of a labor-management dispute in transportation equipment. Factory production workers averaged $11.41 per hour, up $.13 from August. Their average workweek of 43.6 hours was 1.0 hours longer.

Total nonfarm payroll employment rose 3,900 between September 1987 and September 1988. Primary growth sectors were services and retail trade. Moderate gains were also registered in construction and wholesale trade. The manufacturing workforce declined 1,100 over the year, to 65,900. Gains in nonelectrical machinery and miscellaneous plastics products were negated by reductions in other durable-goods industries.

INDEXES OF TOTAL EMPLOYMENT
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
AKRON PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



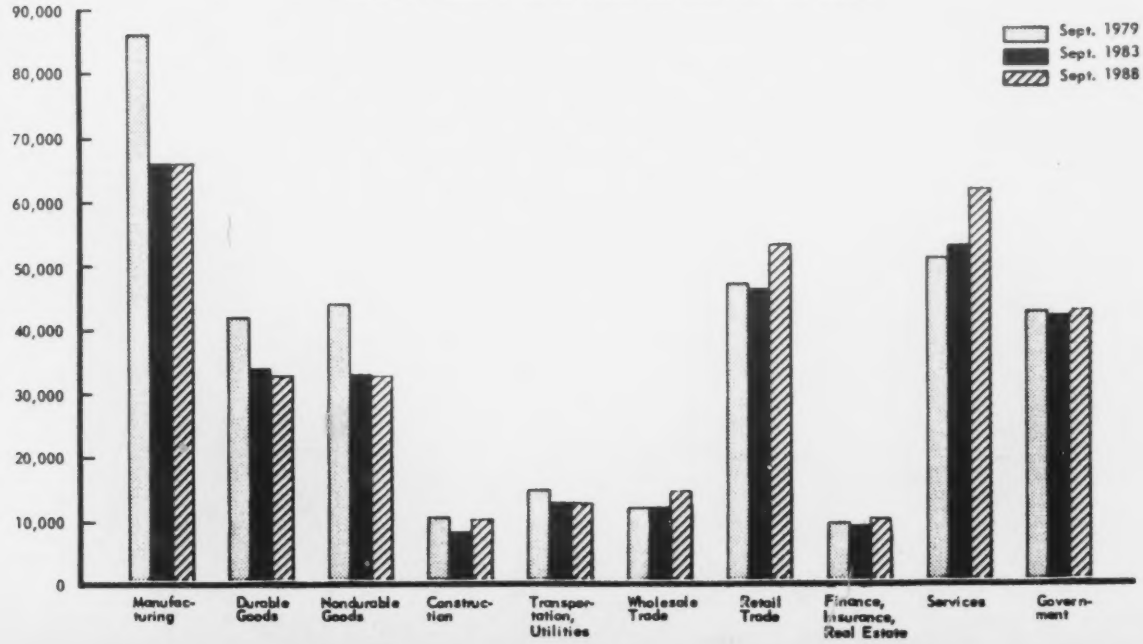
AKRON PMSA LABOR FORCE & EMPLOYMENT DATA

(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
294.2	274.7	19.5	6.6	1977	259.3	85.6	49.2	$285.53	42.3	$ 6.75
298.9	282.2	16.7	5.6	1978	266.6	85.9	49.4	304.14	42.3	7.19
303.8	285.4	18.4	6.1	1979	270.9	85.6	53.8	321.57	41.6	7.73
304.5	278.3	26.2	8.6	1980	262.4	79.1	47.5	361.88	41.5	8.72
304.1	274.9	29.1	9.6	1981	259.5	75.7	43.7	397.10	41.8	9.50
303.9	268.0	35.9	11.8	1982	248.8	68.3	36.9	403.03	41.0	9.83
302.5	265.2	37.3	12.3	1983	244.7	65.2	33.4	452.12	43.1	10.49
316.5	285.8	30.6	9.7	1984	252.2	67.9	38.0	470.65	43.7	10.77
317.8	289.9	28.0	8.8	1985	257.6	68.1	37.3	475.20	43.2	11.00
320.4	294.8	25.6	8.0	1986	260.7	67.2	36.4	484.70	43.2	11.22
319.9	297.2	22.8	7.1	1987	264.8	66.5	36.2	487.03	43.1	11.30
				1987						
319.7	296.6	23.2	7.2	August	262.3	66.1	35.8	482.36	43.3	11.14
317.3	299.1	18.2	5.7	September	269.3	67.1	36.8	488.42	43.3	11.28
321.3	302.5	18.8	5.8	October	271.0	66.7	36.7	487.73	43.2	11.29
323.5	304.9	18.6	5.8	November	271.6	67.1	37.1	484.44	43.1	11.24
322.6	302.5	20.0	6.2	December	271.9	67.0	36.9	503.88	44.2	11.40
				1988						
320.4	295.7	24.7	7.7	January	262.8	66.6	36.5	489.89	43.2	11.34
323.9	299.3	24.6	7.6	February	265.5	66.6	36.5	488.05	43.0	11.35
324.5	298.0	26.5	8.2	March	267.5	66.7	36.8	495.07	43.2	11.46
321.0	301.1	19.8	6.2	April	270.1	66.9	36.8	512.60	43.7	11.73
319.5	301.0	18.5	5.8	May	273.1	66.8	37.0	504.88	43.3	11.66
319.5	300.5	19.0	6.0	June	269.6	67.5	37.3	518.62	44.1	11.76
321.5	306.1	15.4	4.8	July	269.7	67.1	37.0	493.93	43.1	11.46
321.6	303.8	17.8	5.5	August	268.0	65.8	35.6	480.53	42.6	11.28
INA	INA	INA	INA	September	273.2	65.9	35.8	497.48	43.6	11.41

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
AKRON PRIMARY METROPOLITAN STATISTICAL AREA



Akron PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1988[b]	August 1988[c]	September 1987[c]	From Last Month	From Last Year
TOTAL	273.2	268.0	269.3	5.2	3.9
MANUFACTURING	65.9	65.8	67.1	.2	- 1.1
Durable Goods[e]	33.1	33.0	34.5	.0	- 1.4
Fabricated metal products	11.1	9.9	11.9	1.2	- .8
Machinery, except electrical	10.2	10.1	9.5	.2	.7
Metalworking machinery	3.6	3.6	3.3	.0	.3
Nondurable Goods[f]	32.9	32.7	32.6	.1	.3
Food and kindred products	3.0	3.1	3.1	- .1	- .2
Chemicals and allied products	2.9	2.9	3.1	.0	- .2
Rubber and misc. plastics products	21.1	21.0	20.8	.1	.3
Tires and inner tubes	12.7	12.7	13.0	.0	- .2
NONMANUFACTURING[g]	207.3	202.2	202.3	5.1	5.0
CONSTRUCTION	10.5	10.6	9.8	- .1	.6
TRANSPORTATION AND PUBLIC UTILITIES	13.1	13.1	13.1	.0	.0
Communication, electric, gas services	5.3	5.3	5.3	.0	.0
WHOLESALE TRADE	14.6	14.5	14.0	.1	.6
RETAIL TRADE	53.2	52.9	52.1	.2	1.1
General merchandise stores	6.2	6.1	6.4	.0	- .2
FINANCE, INSURANCE, AND REAL ESTATE	10.9	10.9	10.6	- .1	.3
Banking	3.2	3.3	3.1	.0	.1
SERVICES	61.7	62.4	59.5	- .7	2.3
Business services	12.2	12.0	11.5	.2	.7
Amusement and recreation services	4.1	4.8	4.1	- .6	.1
Health services	20.5	20.6	19.6	- .1	.9
GOVERNMENT	42.7	37.1	42.7	5.6	.1
State government	15.8	10.8	15.2	5.0	.6
State government education[i]	12.8	7.7	12.1	5.1	.7
State government, except education	3.0	3.1	3.0	- .1	.0
Local government	24.6	24.0	25.1	.6	- .5
Local government education	13.8	12.7	13.7	1.2	.1
Local government, except education	10.8	11.3	11.4	- .6	- .6

Akron PMSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

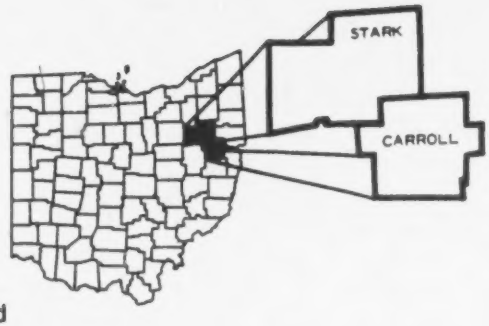
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]
MANUFACTURING	$497.48	$480.53	$488.42	43.6	42.6	43.3	$11.41	$11.28	$11.28
Durable Goods[e]	507.36	470.91	492.20	43.7	41.6	43.1	11.61	11.32	11.42
Fabricated metal products	639.80	581.02	580.99	44.4	41.8	43.1	14.41	13.90	13.48
Machinery, except electrical	476.10	443.56	448.06	46.0	43.7	44.1	10.35	10.15	10.16
Metalworking machinery	492.63	455.88	448.12	46.3	43.5	44.5	10.64	10.48	10.07
Nondurable Goods[f]	484.59	493.00	483.32	43.5	43.9	43.7	11.14	11.23	11.06
Food and kindred products	462.64	455.60	500.02	43.4	42.5	46.0	10.66	10.72	10.87
Chemicals and allied products	517.10	522.97	527.61	43.6	43.8	44.3	11.86	11.94	11.91
Rubber and misc. plastics products	510.51	515.04	499.26	44.9	45.1	44.3	11.37	11.42	11.27
Tires and inner tubes	825.69	827.31	764.48	51.0	51.1	48.6	16.19	16.19	15.73
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	586.56	582.33	580.17	41.6	41.3	41.5	14.10	14.10	13.98
WHOLESALE TRADE	347.26	354.52	343.66	37.1	37.2	38.1	9.36	9.53	9.02
RETAIL TRADE[h]	201.57	200.26	203.39	32.2	32.3	32.7	6.26	6.20	6.22

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	1,891	2,170	2,652
Active File of Job Seekers	15,294	16,667	17,157
Referrals to Jobs	1,288	1,535	1,691
Placements	465	488	659
Job Openings Received	520	712	999
Job Openings Unfilled	1,531	2,439	2,360
Unemployment Insurance Program			
Initial Claims	1,720	2,261	2,197
Continued Claims	15,822	19,526	23,387
First Payments	861	1,179	1,142
Last Payments	305	299	413
Weeks Compensated	13,373	15,431	19,210
Benefits Paid	$1,995,519	$2,292,632	$2,879,317
Average Weekly Payment	$153.47	$152.31	$153.64

CANTON
METROPOLITAN STATISTICAL AREA

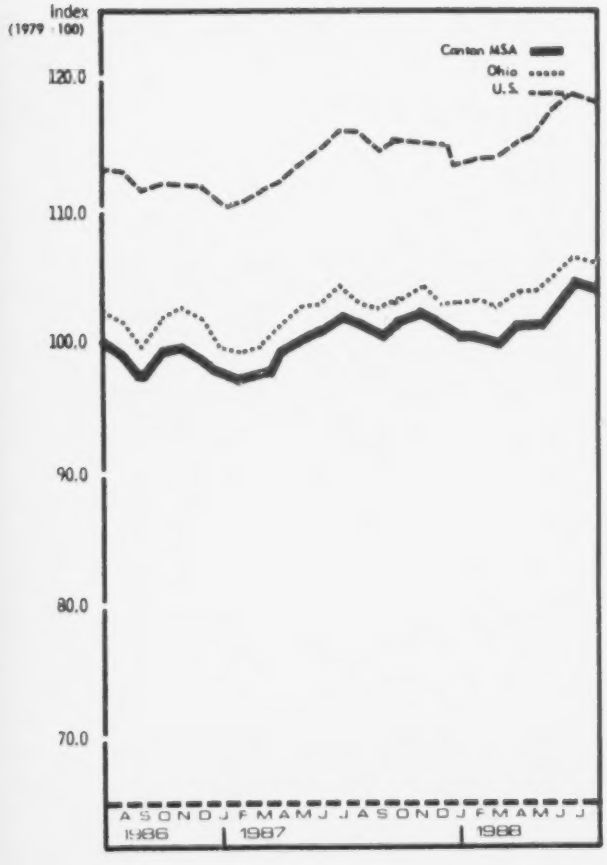


Note: Canton metropolitan area statistics are no longer funded and validated by the U.S. Bureau of Labor Statistics.

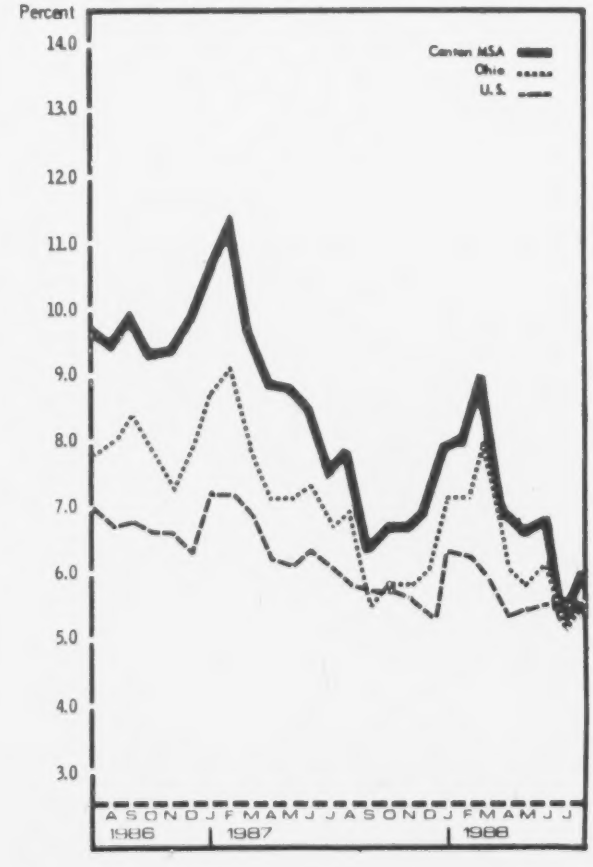
Nonfarm wage and salary employment in the Canton metropolitan area increased 1,200 from August, to 161,700 in September 1988. Nonmanufacturing employment rose 600 due to the return of nonteaching personnel in local schools. Modest gains in primary metal industries, fabricated metal products, and rubber and miscellaneous plastics products advanced manufacturing employment 600 over the month, to 44,000. Production worker average hourly earnings, at $11.45 per hour, were $.18 higher than in August. Their average workweek was 1.0 hours longer, at 43.1 hours.

Nonagricultural payroll employment advanced 3,900 between September 1987 and September 1988. Expansion in nonmanufacturing industries contributed 92.3 percent of the gain. A major portion of the growth occurred in services and construction. The manufacturing labor force added 300 jobs over the year, with a moderate increase in primary metal industries. Employment in fabricated metal products and food and kindred products declined during the period.

INDEXES OF TOTAL EMPLOYMENT
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CANTON MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

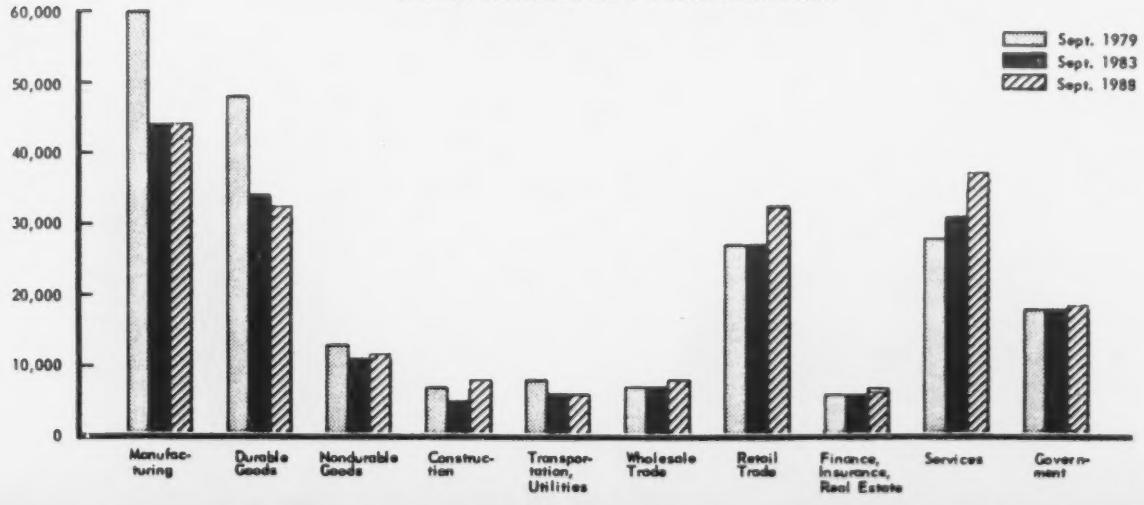


CANTON MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
175.9	163.1	12.9	7.3	1977	149.8	56.0	41.1	$273.14	39.7	$ 6.88
179.9	170.0	9.9	5.5	1978	156.1	57.1	42.2	304.67	40.3	7.56
184.3	173.7	10.6	5.7	1979	160.8	59.1	43.2	330.88	40.9	8.09
187.7	170.9	16.8	8.9	1980	157.1	55.7	40.1	342.81	39.0	8.79
188.4	170.1	18.2	9.7	1981	156.6	54.8	39.6	390.40	40.0	9.76
191.4	164.3	27.0	14.1	1982	148.6	47.6	33.3	394.49	38.6	10.22
187.0	159.5	27.5	14.7	1983	143.4	43.5	30.6	422.14	39.6	10.66
188.1	168.1	19.9	10.6	1984	149.1	46.4	33.6	437.53	40.4	10.83
189.5	169.5	20.0	10.6	1985	151.5	46.2	33.8	435.81	39.8	10.95
190.5	171.2	19.4	10.2	1986	151.9	43.7	31.0	451.76	40.3	11.21
189.6	174.0	15.7	8.3	1987	155.9	43.5	30.8	475.15	41.9	11.34
				1987						
190.9	176.0	14.9	7.8	August	157.1	43.5	30.9	460.73	41.1	11.21
185.9	174.2	11.7	6.3	September	157.7	43.7	31.2	468.95	41.5	11.30
188.7	176.2	12.5	6.6	October	158.6	43.7	31.2	476.52	41.8	11.40
189.9	177.4	12.5	6.6	November	158.7	43.8	31.2	475.73	42.1	11.30
188.8	175.9	12.9	6.8	December	158.9	43.9	31.3	476.44	42.2	11.29
				1988						
188.9	173.9	15.0	7.9	January	155.4	43.6	30.9	493.78	43.2	11.43
189.4	174.4	15.1	8.0	February	155.4	43.7	31.1	493.06	43.1	11.44
190.1	173.0	17.1	9.0	March	156.0	43.2	31.1	488.48	43.0	11.36
188.9	175.7	13.2	7.0	April	158.3	43.2	30.6	493.34	43.2	11.42
188.2	175.8	12.4	6.6	May	160.2	43.4	30.8	492.05	43.2	11.39
191.5	178.4	13.0	6.8	June	161.5	43.9	31.3	485.78	42.8	11.35
191.7	181.6	10.1	5.3	July	161.3	44.0	31.3	475.88	42.3	11.25
192.4	180.8	11.6	6.0	August	160.5	43.4	30.8	474.47	42.1	11.27
INA	INA	INA	INA	September	161.7	44.0	31.4	493.50	43.1	11.45

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CANTON METROPOLITAN STATISTICAL AREA



Canton MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1988[b]	August 1988[c]	September 1987[c]	From Last Month	From Last Year
TOTAL	161.7	160.5	157.7	1.2	3.9
MANUFACTURING	44.0	43.4	43.7	.6	.3
Durable Goods[e]	32.3	31.8	32.1	.6	.2
Primary metal industries	10.9	10.6	10.4	.3	.5
Fabricated metal products	6.4	6.3	6.6	.1	- .2
Metal forgings and stampings	2.2	2.1	2.2	.1	.0
Nondurable Goods[f]	11.7	11.7	11.6	.0	.1
Food and kindred products	3.3	3.4	3.5	- .1	- .2
Rubber and misc. plastics products	3.0	2.9	3.0	.1	.0
NONMANUFACTURING[g]	117.7	117.1	114.0	.6	3.6
CONSTRUCTION	8.1	8.2	7.0	- .1	1.1
TRANSPORTATION AND PUBLIC UTILITIES	6.1	6.1	5.7	.0	.4
Communication, electric, gas services	2.8	2.8	2.6	.0	.2
WHOLESALE TRADE	8.2	8.2	8.2	.0	.0
Wholesale trade-durable goods	4.6	4.6	4.6	.0	.0
RETAIL TRADE	32.3	32.3	31.7	.0	.5
General merchandise stores	4.0	3.9	3.9	.1	.1
Food stores	5.3	5.3	5.1	.0	.2
FINANCE, INSURANCE, AND REAL ESTATE	6.4	6.5	6.5	- .2	- .2
Banking	1.9	1.9	1.9	- .1	.0
SERVICES	37.1	37.0	35.7	.2	1.4
Health services	15.6	15.4	15.1	.2	.5
GOVERNMENT	18.4	17.7	18.2	.7	.3
State government (includes education)	1.7	1.7	1.7	.0	.0
Local government	15.3	14.5	15.0	.8	.3
Local government education	8.5	7.8	8.5	.7	.0
Local government, except education	6.8	6.7	6.5	.1	.3

Canton MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

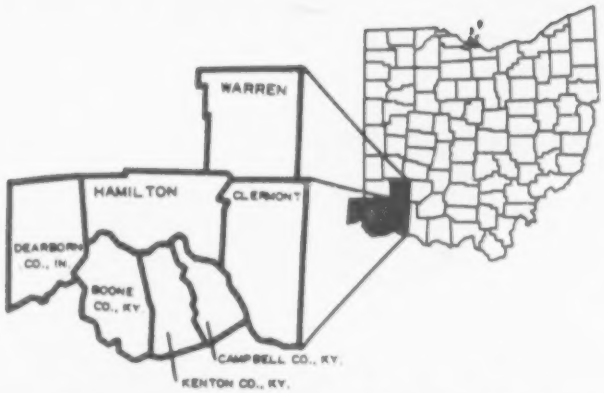
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]
MANUFACTURING	$493.50	$474.47	$468.95	43.1	42.1	41.5	$11.45	$11.27	$11.30
Durable Goods[e]	521.97	496.72	487.20	43.9	42.6	42.0	11.89	11.66	11.60
Primary metal industries	590.08	576.83	565.07	46.1	45.1	43.3	12.80	12.79	13.05
Fabricated metal products	474.61	432.28	443.77	42.3	40.4	40.9	11.22	10.70	10.85
Metal forgings and stampings	611.66	558.09	600.06	42.3	40.5	41.1	14.46	13.78	14.60
Nondurable Goods[f]	405.19	407.22	411.37	40.6	40.6	39.9	9.98	10.03	10.31
Food and kindred products	406.83	411.95	420.79	38.2	38.5	39.4	10.65	10.70	10.68
Rubber and misc. plastics products	407.18	410.00	459.24	40.8	41.0	43.0	9.98	10.00	10.68
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	590.55	575.98	564.82	41.5	41.2	41.5	14.23	13.98	13.61
WHOLESALE TRADE	369.20	372.59	379.55	36.7	37.0	38.3	10.06	10.07	9.91
RETAIL TRADE[h]	159.82	160.60	153.30	28.9	29.2	28.6	5.53	5.50	5.36

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; machinery, except electrical; electric and electronic equipment; transportation equipment; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile mill products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	1,771	2,182	1,224
Active File of Job Seekers	12,718	13,221	11,327
Referrals to Jobs	864	1,711	897
Placements	168	385	180
Job Openings Received	450	1,254	461
Job Openings Unfilled	2,300	2,627	735
Unemployment Insurance Program			
Initial Claims	1,250	1,717	1,833
Continued Claims	9,746	12,614	15,061
First Payments	753	740	699
Last Payments	210	209	203
Weeks Compensated	8,545	9,501	10,670
Benefits Paid	$1,206,692	$1,301,311	$1,494,898
Average Weekly Payment	$146.42	$141.37	$144.14

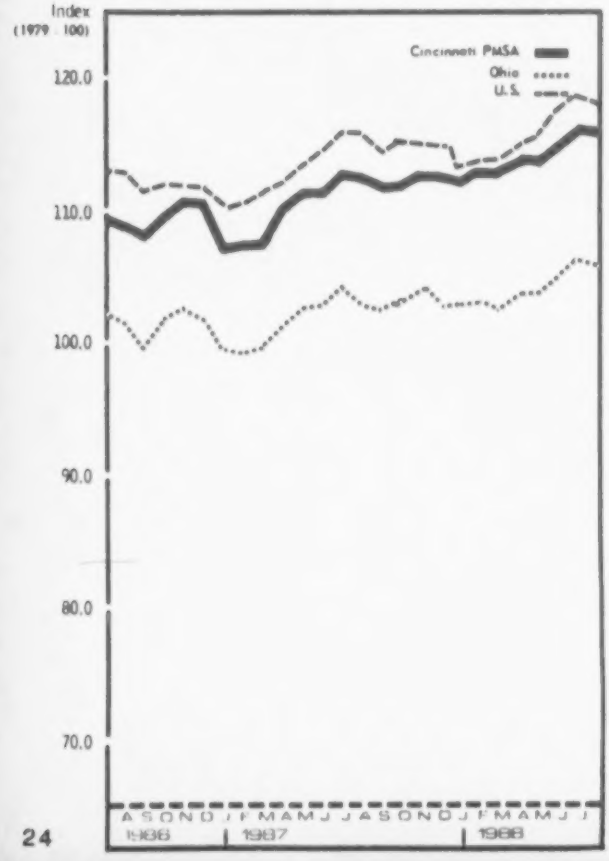
CINCINNATI
PRIMARY METROPOLITAN STATISTICAL AREA



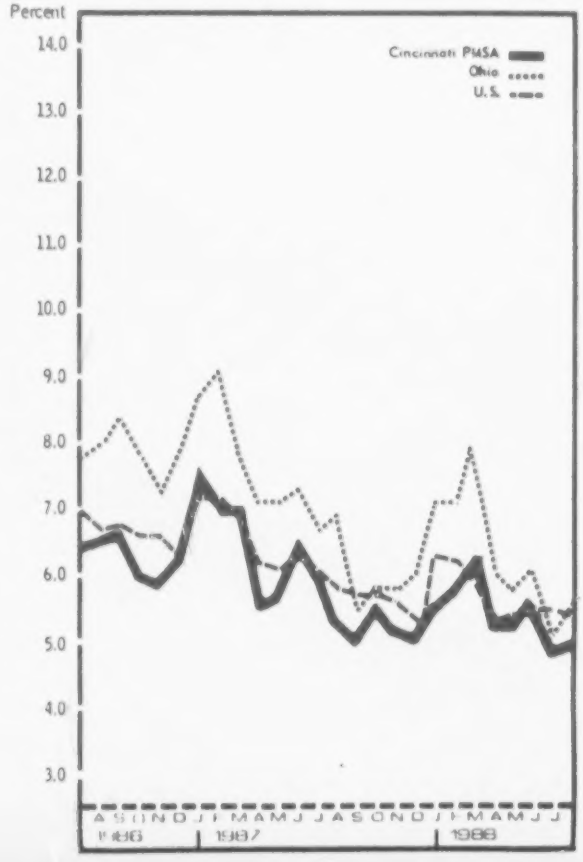
In the Cincinnati metropolitan area, nonfarm payroll employment totaled 710,900 in September 1988, increasing 7,300 above the August level. Nonmanufacturing employment increased 7,000 due to the return of nonteaching personnel in state and local schools and colleges (+5,200) and moderate growth in transportation and public utilities and retail trade. Manufacturing employment rose 300, with modest gains occurring in food and kindred products, apparel and other textile products, printing and publishing, and electric and electronic equipment. Transportation equipment declined over the month. Factory production workers averaged $11.29 per hour, up $.06 from August. Their average workweek was .7 hours longer, at 43.1 hours.

Nonagricultural wage and salary employment advanced 21,200 between September 1987 and September 1988. Significant expansion occurred in services, retail trade, construction, and finance, insurance, and real estate. Noteworthy growth was also recorded in transportation and public utilities and in wholesale trade. Manufacturing employment declined 1,200 over the year. Reductions in transportation equipment more than offset gains in food and kindred products.

INDEXES OF TOTAL EMPLOYMENT
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CINCINNATI PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

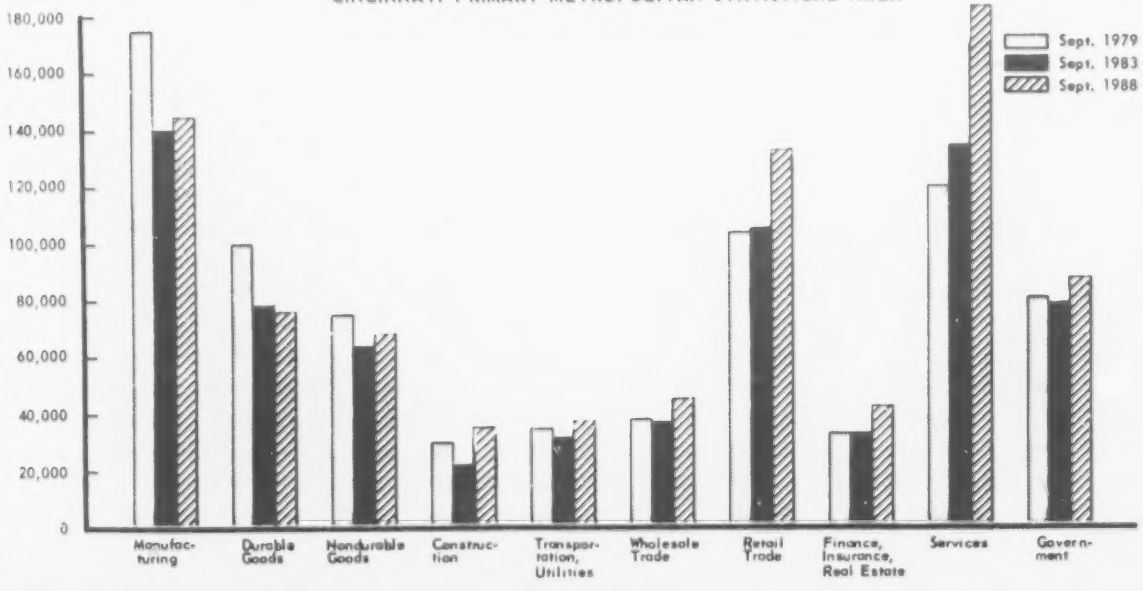


(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
623.4	588.7	34.7	5.6	1977	562.1	161.1	110.7	$260.83	41.6	$ 6.27
648.3	615.8	32.5	5.0	1978	591.2	169.2	116.4	286.70	42.1	6.81
663.4	628.1	35.3	5.3	1979	607.4	173.1	117.0	303.37	41.5	7.31
676.2	628.8	47.5	7.0	1980	600.7	162.4	106.6	332.07	41.2	8.06
678.5	619.3	59.1	8.7	1981	592.2	157.3	103.5	360.86	41.1	8.78
684.3	612.4	71.9	10.5	1982	575.3	146.3	95.5	387.59	40.5	9.57
687.6	615.2	72.4	10.5	1983	575.6	140.4	87.7	415.52	41.1	10.11
695.9	638.4	57.5	8.3	1984	600.8	145.0	96.5	441.41	41.8	10.56
710.6	659.1	51.5	7.2	1985	628.1	147.1	96.8	441.74	41.4	10.67
727.8	680.7	47.2	6.5	1986	650.8	147.7	95.5	453.00	42.1	10.76
744.7	700.7	44.0	5.9	1987	677.1	145.4	93.0	467.57	42.7	10.95
				1987						
749.6	710.1	39.5	5.3	August	686.1	148.7	95.8	472.69	42.7	11.07
744.1	706.7	37.5	5.0	September	689.7	146.3	93.6	471.71	43.0	10.97
751.5	709.9	41.6	5.5	October	688.8	144.1	91.4	467.41	43.0	10.87
756.5	717.4	39.1	5.2	November	693.1	145.4	93.2	477.17	43.3	11.02
754.6	716.6	38.0	5.0	December	694.9	145.6	93.4	488.17	43.9	11.12
				1988						
747.1	706.0	41.1	5.5	January	679.6	145.1	92.9	481.00	43.1	11.16
752.2	709.0	43.2	5.7	February	679.4	144.5	92.4	466.47	42.1	11.08
753.9	706.7	47.2	6.3	March	678.3	137.7	86.0	453.60	42.0	10.80
753.8	715.0	38.8	5.2	April	693.2	143.8	91.8	462.42	42.0	11.01
753.8	714.3	39.5	5.2	May	698.7	143.2	91.3	465.63	42.1	11.06
763.9	721.1	42.7	5.6	June	702.7	143.7	91.5	466.62	42.0	11.11
765.7	728.9	36.8	4.8	July	700.3	143.7	91.5	461.76	41.6	11.10
766.1	728.1	38.0	5.0	August	703.6	144.8	92.3	476.15	42.4	11.23
INA	INA	INA	INA	September	710.9	145.1	92.6	486.60	43.1	11.29

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CINCINNATI PRIMARY METROPOLITAN STATISTICAL AREA



Cincinnati PMSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1988[b]	August 1988[c]	September 1987[c]	From Last Month	From Last Year
TOTAL	710.9	703.6	689.7	7.3	21.2
MANUFACTURING	145.1	144.8	146.3	.3	- 1.2
Durable Goods[e]	77.0	77.3	78.7	- .3	- 1.7
Fabricated metal products	10.0	9.9	10.3	.0	- .4
Fabricated structural metal products	3.7	3.8	4.2	.0	- .5
Machinery, except electrical	20.6	20.6	20.8	.0	- .2
Metalworking machinery	8.0	8.0	8.2	.0	- .2
General industrial machinery	3.0	3.0	2.9	.0	.1
Electric and electronic equipment	7.8	7.8	7.6	.1	.3
Transportation equipment	24.3	24.5	26.0	- .2	- 1.8
Motor vehicles and equipment	4.9	4.9	5.4	.0	- .5
Nondurable Goods[f]	68.1	67.5	67.6	.6	.5
Food and kindred products	14.1	13.8	13.4	.2	.7
Beverages	3.7	3.7	3.5	.0	.2
Apparel and other textile products	3.8	3.7	3.9	.1	- .1
Paper and allied products	5.9	5.9	6.2	.0	- .3
Printing and publishing	13.3	13.1	13.4	.1	- .2
Commercial printing	5.8	5.7	6.1	.2	- .2
Chemicals and allied products	22.8	22.9	22.5	.0	.3
Rubber and misc. plastics products	5.7	5.7	5.9	.0	- .1
NONMANUFACTURING[g]	565.9	558.9	543.4	7.0	22.4
CONSTRUCTION	35.3	35.1	32.1	.2	3.2
TRANSPORTATION AND PUBLIC UTILITIES	37.8	37.0	36.2	.8	1.6
Trucking and warehousing	11.0	10.8	10.2	.2	.8
Communication, electric, gas services	15.1	15.2	15.1	- .1	.1
WHOLESALE TRADE	45.8	45.8	44.5	.0	1.3
Wholesale trade-durable goods	27.4	27.4	26.2	- .1	1.2
RETAIL TRADE	132.5	131.8	128.0	.7	4.6
General merchandise stores	17.8	17.6	17.9	.3	- .1
FINANCE, INSURANCE, AND REAL ESTATE	42.9	42.8	40.8	.1	2.1
Banking	9.3	9.4	8.8	.0	.5
Insurance carriers	14.3	14.3	13.9	.0	.4
SERVICES	183.2	182.9	174.6	.3	8.6
Hotels and other lodging places	7.1	7.4	6.7	- .2	.4
Personal services	8.8	8.8	8.5	.1	.4
Business services	45.3	44.9	41.8	.4	3.5
Amusement and recreation services	10.1	11.3	10.1	- 1.2	.0
Health services	55.5	55.4	53.2	.0	2.3
Hospitals	26.2	26.3	25.3	.0	1.0
GOVERNMENT	87.8	82.9	86.7	4.9	1.0
Federal government	15.4	15.1	14.8	.3	.6
State government	19.1	18.3	19.1	.8	.0
State government education[1]	11.3	10.5	11.2	.9	.1
State government, except education	7.8	7.9	7.9	- .1	- .1
Local government	53.3	49.4	52.9	3.9	.4
Local government education	30.0	25.7	30.0	4.3	.0
Local government, except education	23.3	23.7	22.9	- .4	.4

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]
MANUFACTURING	$486.60	$476.15	$471.71	43.1	42.4	43.0	$11.29	$11.23	$10.97
Durable Goods[e]	480.38	470.30	469.37	43.2	42.6	43.3	11.12	11.04	10.84
Fabricated metal products	439.05	425.70	431.57	43.6	42.4	44.4	10.07	10.04	9.72
Fabricated structural metal products	492.51	483.06	451.98	45.9	45.4	46.5	10.73	10.64	9.72
Machinery, except electrical	442.96	429.25	413.82	43.3	42.5	41.8	10.23	10.10	9.90
Metalworking machinery	495.45	492.62	453.95	45.0	44.5	41.8	11.01	11.07	10.86
General industrial machinery	426.19	390.82	452.95	43.4	41.4	46.6	9.82	9.44	9.72
Electric and electronic equipment	332.35	338.05	355.77	39.1	39.4	40.2	8.50	8.58	8.85
Transportation equipment	709.90	701.24	694.85	45.8	45.3	46.2	15.50	15.48	15.04
Motor vehicles and equipment	849.68	845.23	773.30	49.4	49.4	47.5	17.20	17.11	16.28
Nondurable Goods[f]	491.92	482.22	475.08	43.0	42.3	42.8	11.44	11.40	11.10
Food and kindred products	510.62	511.69	539.26	43.2	43.4	45.7	11.82	11.79	11.80
Beverages	517.92	522.08	553.58	41.5	41.8	43.9	12.48	12.49	12.61
Apparel and other textile products	228.72	215.87	213.76	38.7	36.9	37.7	5.91	5.85	5.67
Paper and allied products	459.78	439.78	438.48	44.9	43.2	43.5	10.24	10.18	10.08
Printing and publishing	479.00	462.92	472.46	41.4	40.5	41.7	11.57	11.43	11.33
Commercial printing	527.67	510.40	519.55	45.1	44.0	45.1	11.70	11.60	11.52
Chemicals and allied products	578.83	579.31	531.65	43.1	43.2	41.6	13.43	13.41	12.78
Rubber and misc. plastics products	435.98	398.61	445.47	45.7	43.0	46.5	9.54	9.27	9.58
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	576.28	575.87	554.04	40.9	41.4	40.5	14.09	13.91	13.68
WHOLESALE TRADE	415.34	410.66	395.65	40.8	40.7	41.0	10.18	10.09	9.65
RETAIL TRADE[h]	169.06	169.02	168.37	29.3	29.6	29.8	5.77	5.71	5.65
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	262.14	262.51	258.88	....	....	....	.....	.....	.....

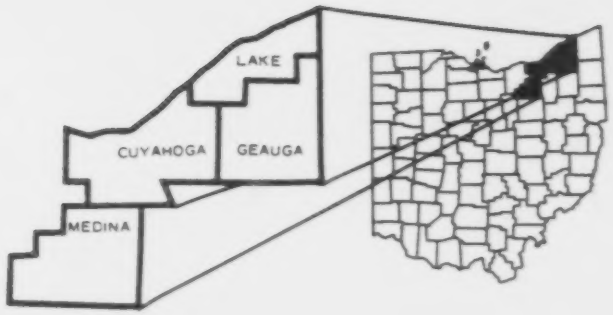
[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities[a]

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	2,610	3,216	4,328
Active File of Job Seekers	20,901	21,714	16,686
Referrals to Jobs	1,917	2,236	1,912
Placements	357	333	371
Job Openings Received	1,859	1,655	1,691
Job Openings Unfilled	3,250	2,857	3,459
Unemployment Insurance Program			
Initial Claims	3,231	3,492	5,226
Continued Claims	27,417	35,651	36,320
First Payments	1,555	1,886	2,683
Last Payments	546	723	517
Weeks Compensated	22,239	26,963	23,650
Benefits Paid	$3,354,924	$4,004,749	$3,461,339
Average Weekly Payment	$153.37	$150.47	$149.17

[a]Ohio data only

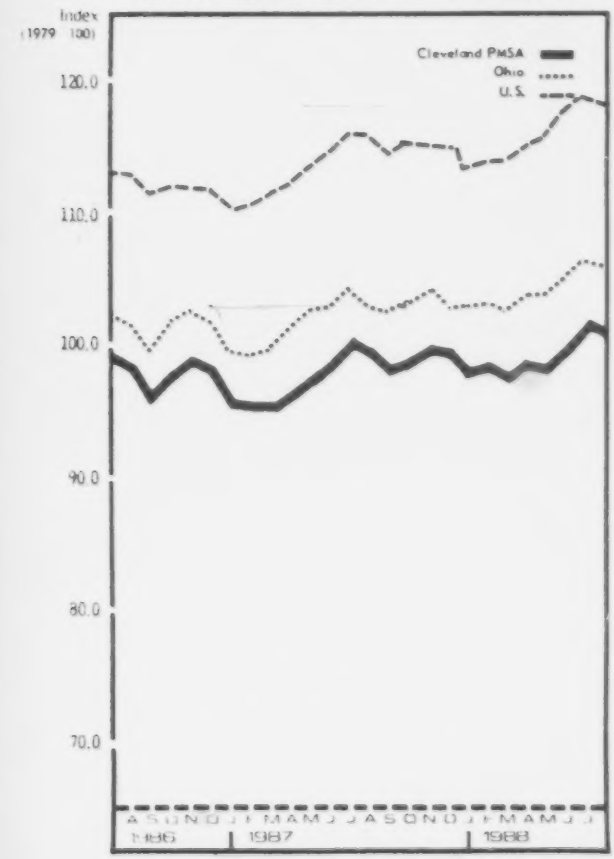
CLEVELAND
PRIMARY METROPOLITAN STATISTICAL AREA



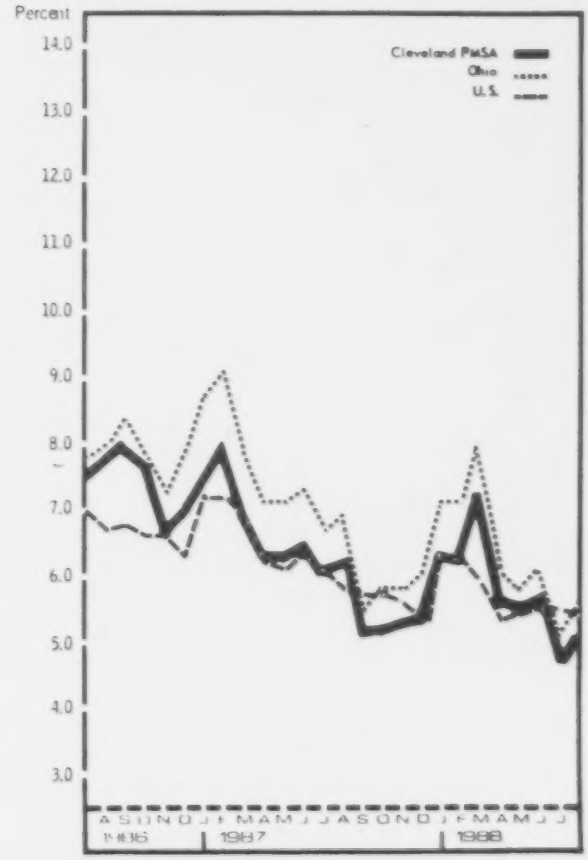
Total nonfarm wage and salary employment in the Cleveland metropolitan area rose 4,300 above the August level, to 919,100 in September 1988. Nonmanufacturing employment increased 2,300 due to expansion in services. The manufacturing workforce gained 2,100 jobs. Noteworthy improvements occurred in food and kindred products, primary metal industries, and rubber and miscellaneous plastics products. Factory production worker average hourly earnings, at $11.89 per hour, increased $.10 from last month. Their average workweek of 43.3 hours was .6 hours longer.

Nonagricultural payroll employment advanced 18,900 between September 1987 and September 1988. The nonmanufacturing sector netted 83.6 percent of the gain. Marked improvements occurred in services (+7,900), retail trade (+5,500), finance, insurance, and real estate (+2,200), and construction (+1,000). Manufacturing employment increased 3,100 over the year, to 204,500. Primary growth sectors were nonelectrical machinery, fabricated metal products, electric and electronic equipment, and chemicals and allied products.

INDEXES OF TOTAL EMPLOYMENT
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
CLEVELAND PMSA, OHIO, AND U.S. (Not Seasonally Adjusted)

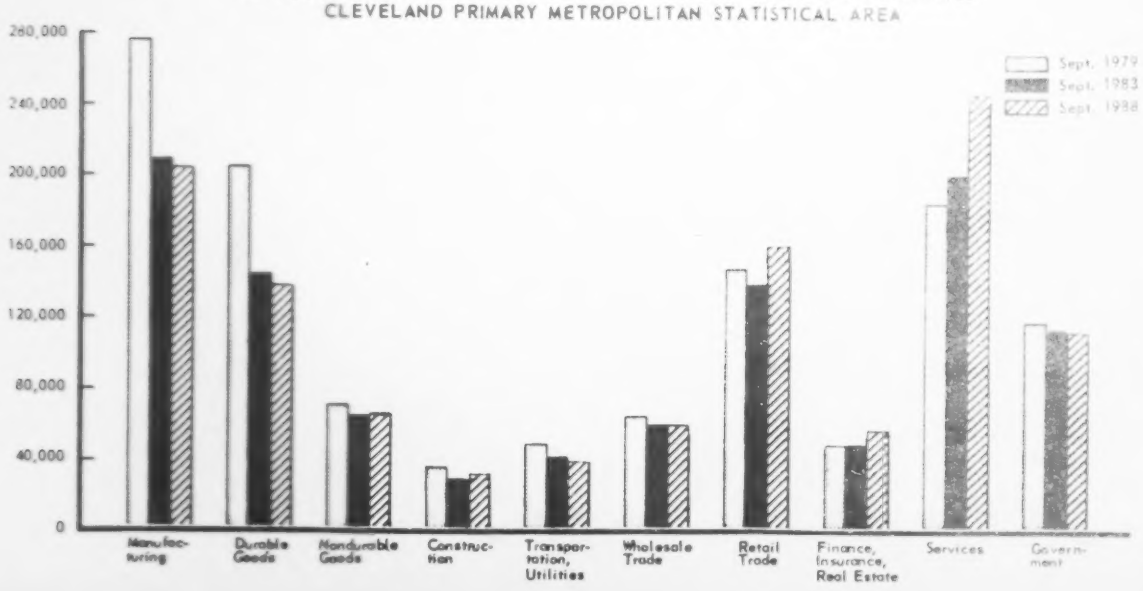


CLEVELAND PMSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
908.5	854.4	54.0	5.9	1977	880.9	270.8	184.0	$292.75	42.8	$ 6.84
921.7	878.5	43.2	4.7	1978	905.8	275.6	188.0	321.75	42.9	7.50
935.8	889.1	46.7	5.0	1979	919.8	276.3	188.6	337.60	42.2	8.00
937.1	869.1	68.0	7.3	1980	895.7	254.9	169.2	350.38	40.6	8.63
933.9	854.0	79.8	8.5	1981	880.7	246.8	161.8	395.38	41.1	9.62
933.4	833.2	100.2	10.7	1982	844.6	223.0	141.8	402.99	39.9	10.10
928.7	823.4	105.3	11.3	1983	829.8	207.3	132.4	427.41	40.9	10.45
923.6	841.0	82.6	8.9	1984	854.5	213.8	137.5	456.12	42.0	10.86
926.0	849.2	76.8	8.3	1985	868.7	211.2	135.1	467.74	41.8	11.19
932.8	862.7	70.1	7.5	1986	879.2	204.9	131.5	481.62	42.1	11.44
926.6	868.8	57.8	6.2	1987	891.6	200.8	128.5	496.35	42.9	11.57
				1987						
938.8	879.3	59.5	6.3	August	899.1	200.3	127.7	486.75	42.4	11.48
915.0	868.0	47.0	5.1	September	900.3	201.4	129.0	487.05	42.5	11.46
925.6	877.5	48.2	5.2	October	904.5	202.4	129.9	501.85	43.3	11.59
936.9	887.0	49.9	5.3	November	908.5	203.3	130.8	510.71	43.8	11.66
931.0	880.7	50.3	5.4	December	910.2	203.3	131.1	513.04	44.0	11.66
				1988						
928.2	869.7	58.5	6.3	January	889.8	202.0	130.1	503.53	43.0	11.71
930.3	872.7	57.5	6.2	February	889.6	201.8	130.0	500.21	42.9	11.66
934.3	866.3	68.0	7.3	March	893.3	201.8	129.7	510.26	43.5	11.73
926.4	874.9	51.5	5.6	April	902.1	201.8	129.7	512.55	43.4	11.81
923.0	872.5	50.5	5.5	May	910.1	202.2	130.3	513.42	43.4	11.83
939.2	885.8	53.5	5.7	June	918.5	203.9	131.4	518.28	43.7	11.86
947.1	902.6	44.5	4.7	July	918.7	202.4	129.6	499.16	42.7	11.69
945.6	897.3	48.4	5.1	August	914.8	202.4	129.7	503.43	42.7	11.79
INA	INA	INA	INA	September	919.1	204.5	131.5	514.84	43.3	11.89

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
CLEVELAND PRIMARY METROPOLITAN STATISTICAL AREA



Nonagricultural Wage & Salary Employment[a]

Cleveland PMSA

	Employment (in thousands)			Change[d] (in thousands)	
	September 1988[b]	August 1988[c]	September 1987[c]	From Last Month	From Last Year
TOTAL	919.1	914.8	900.3	4.3	18.9
MANUFACTURING	204.5	202.4	201.4	2.1	3.1
Durable Goods[e]	138.5	137.4	136.4	1.1	2.1
Primary metal industries	21.1	20.6	20.9	.4	.1
Iron and steel foundries	5.1	4.9	5.1	.3	.0
Fabricated metal products	33.0	32.7	32.4	.2	.5
Fabricated structural metal products	4.3	4.2	4.2	.1	.1
Screw machine products, bolts, etc.	4.8	4.8	4.8	.0	.1
Metal forgings and stampings	11.3	11.3	11.1	.1	.2
Machinery, except electrical	29.6	29.5	28.9	.1	.7
Construction and related machinery	2.6	2.6	2.5	.0	.1
Metalworking machinery	9.7	9.7	9.6	.0	.1
Special industry machinery	2.7	2.8	2.8	.0	- .1
General industrial machinery	3.1	3.0	2.9	.0	.1
Electric and electronic equipment	18.2	18.2	17.7	.0	.5
Electrical industrial apparatus	6.5	6.5	6.0	.0	.4
Transportation equipment	19.2	18.9	19.1	.2	.0
Motor vehicles and equipment	12.1	12.0	11.9	.1	.2
Instruments and related products	6.4	6.3	6.6	.1	- .2
Measuring and controlling devices	4.2	4.1	4.3	.1	- .1
Nondurable Goods[f]	66.0	65.1	65.1	1.0	.9
Food and kindred products	6.9	6.3	6.9	.6	.1
Apparel and other textile products	4.1	4.0	3.9	.1	.1
Paper and allied products	5.7	5.7	5.7	.0	.0
Printing and publishing	16.1	16.2	16.3	- .1	- .2
Chemicals and allied products	15.4	15.4	14.9	.0	.5
Rubber and misc. plastics products	12.7	12.4	12.4	.3	.3
NONMANUFACTURING[g]	714.6	712.3	698.8	2.3	15.8
CONSTRUCTION	32.0	32.1	31.1	- .1	1.0
TRANSPORTATION AND PUBLIC UTILITIES	41.5	41.4	41.5	.0	.0
Trucking and warehousing	12.6	12.4	12.0	.2	.6
Communication, electric, gas services	17.6	17.7	17.8	- .1	- .2
WHOLESALE TRADE	61.2	61.4	60.6	- .2	.6
Wholesale trade-durable goods	41.9	42.1	41.7	- .2	.2
RETAIL TRADE	161.1	161.1	155.7	.0	5.5
General merchandise stores	20.8	20.6	20.3	.2	.5
FINANCE, INSURANCE, AND REAL ESTATE	57.4	57.6	55.2	- .3	2.2
Banking	13.6	13.8	13.6	- .1	.1
Credit agencies other than banks	8.8	8.9	8.7	- .1	.2
Insurance carriers	14.4	14.4	13.9	.1	.6
SERVICES	246.5	244.2	238.6	2.3	7.9
Business services	57.6	57.1	54.7	.5	3.0
Amusement and recreation services	9.5	10.1	9.8	- .6	- .3
Health services	76.9	76.8	75.6	.0	1.2
Hospitals	42.6	42.7	42.9	- .1	- .3
GOVERNMENT	113.9	113.3	115.0	.5	- 1.2
Federal government	20.7	20.6	20.2	.1	.4
State government	7.7	7.9	7.7	- .1	.1
State government education[i]	2.6	2.5	2.5	.1	.1
State government, except education	5.1	5.3	5.2	- .2	.0
Local government	85.4	84.9	87.1	.6	- 1.7
Local government education	41.6	38.1	42.4	3.5	- .8
Local government, except education	43.9	46.8	44.7	- 2.9	- .9

Hours & Earnings of Production or Nonsupervisory Workers[a]

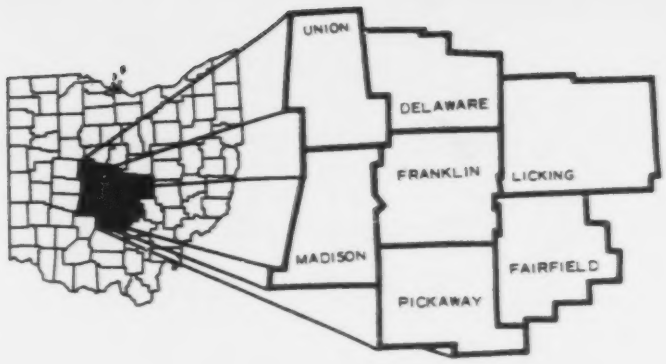
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]
MANUFACTURING	$514.84	$503.43	$487.05	43.3	42.7	42.5	$11.89	$11.79	$11.46
Durable Goods[e]	556.70	541.88	517.63	44.5	43.7	43.1	12.51	12.40	12.01
Primary metal industries	594.74	586.74	599.24	46.5	46.2	45.5	12.79	12.70	13.17
Iron and steel foundries	896.38	887.54	869.70	50.7	50.4	50.8	17.68	17.61	17.12
Fabricated metal products	557.50	536.92	507.18	44.6	43.3	42.8	12.50	12.40	11.85
Fabricated structural metal products	412.72	391.82	404.74	41.9	39.9	40.8	9.85	9.82	9.92
Screw machine products, bolts, etc.	546.29	533.57	469.48	45.6	44.8	44.0	11.98	11.91	10.67
Metal forgings and stampings	724.47	691.38	625.24	47.6	46.0	44.0	15.22	15.03	14.21
Machinery, except electrical	497.25	489.10	456.37	42.5	42.2	41.3	11.70	11.59	11.05
Construction and related machinery	412.48	397.11	389.70	44.4	43.4	43.3	9.29	9.15	9.00
Metalworking machinery	461.62	453.47	428.67	41.7	41.3	41.1	11.07	10.98	10.43
Special industry machinery	467.16	463.08	451.88	40.8	40.8	37.1	11.45	11.35	12.18
General industrial machinery	518.93	488.17	490.94	45.6	43.9	43.6	11.38	11.12	11.26
Electric and electronic equipment	459.90	449.36	448.45	42.0	41.0	41.6	10.95	10.96	10.78
Electrical industrial apparatus	529.47	524.21	505.56	45.1	44.5	44.0	11.74	11.78	11.49
Transportation equipment	773.76	747.65	682.05	48.0	47.2	45.5	16.12	15.84	14.99
Motor vehicles and equipment	868.38	835.50	732.34	49.2	48.1	45.6	17.65	17.37	16.06
Instruments and related products	421.18	400.82	404.21	42.5	40.9	41.8	9.91	9.80	9.67
Measuring and controlling devices	460.78	447.88	404.15	43.8	42.9	40.7	10.52	10.44	9.93
Nondurable Goods[f]	415.53	411.46	413.69	40.5	40.3	41.0	10.26	10.21	10.09
Food and kindred products	394.58	409.94	388.33	40.1	41.2	43.1	9.84	9.95	9.01
Apparel and other textile products	325.80	318.01	312.09	39.3	38.5	38.2	8.29	8.26	8.17
Paper and allied products	485.35	463.80	493.88	42.8	41.3	43.9	11.34	11.23	11.25
Printing and publishing	396.01	374.53	416.41	36.6	35.3	38.7	10.82	10.61	10.76
Chemicals and allied products	502.15	499.79	495.85	42.7	42.9	42.2	11.76	11.65	11.75
Rubber and misc. plastics products	377.78	387.47	367.04	42.4	43.1	41.9	8.91	8.99	8.76
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	612.99	612.79	596.49	41.7	41.8	41.8	14.70	14.66	14.27
WHOLESALE TRADE	421.89	418.65	399.21	39.1	38.8	39.1	10.79	10.79	10.21
RETAIL TRADE[h]	189.90	188.47	190.74	28.6	28.6	28.9	6.64	6.59	6.60
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	306.41	302.51	289.87	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	344.32	343.04	344.32	32.0	32.0	32.0	10.76	10.72	10.76

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; stone, clay, and glass products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	3,953	4,908	5,760
Active File of Job Seekers	54,399	55,837	60,494
Referrals to Jobs	2,088	2,804	2,168
Placements	318	902	330
Job Openings Received	1,123	1,890	1,470
Job Openings Unfilled	4,293	4,549	2,803
Unemployment Insurance Program			
Initial Claims	4,610	5,055	6,008
Continued Claims	42,280	51,630	53,758
First Payments	2,384	3,195	2,541
Last Payments	858	943	966
Weeks Compensated	35,726	40,639	43,014
Benefits Paid	$5,340,392	$6,053,107	$6,144,287
Average Weekly Payment	$152.54	$151.57	$145.34

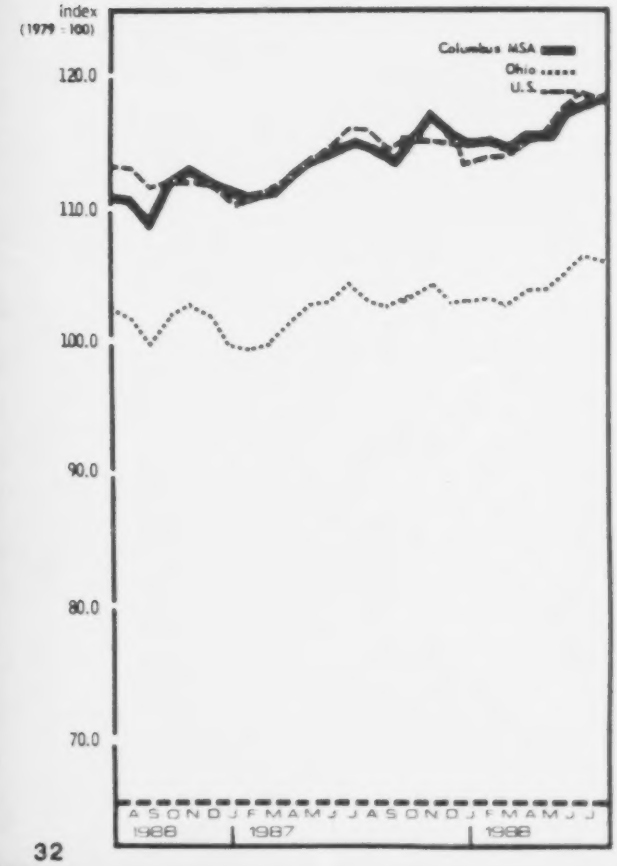
COLUMBUS
METROPOLITAN STATISTICAL AREA



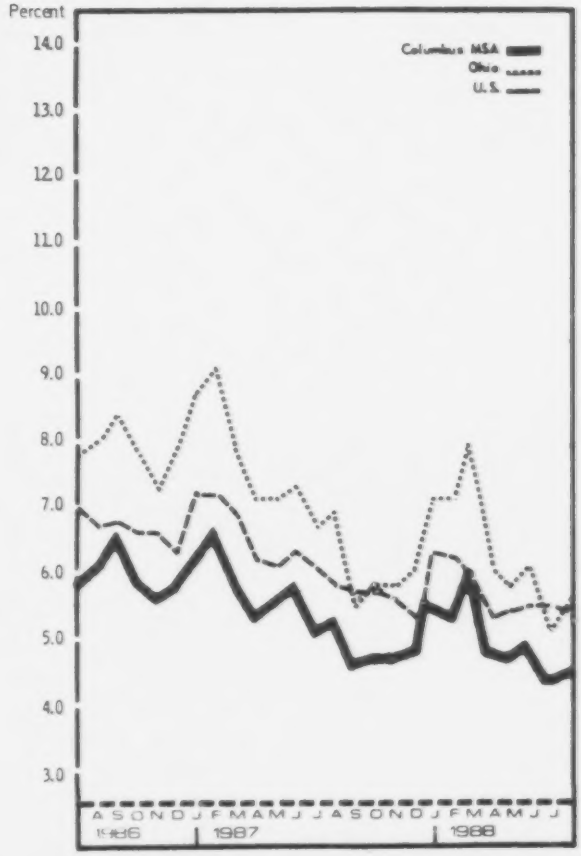
Nonagricultural payroll employment in the Columbus metropolitan area increased 7,600 from August, to 687,600 in September 1988. The return of nonteaching personnel in local schools and moderate growth in services and retail trade advanced nonmanufacturing employment 6,500 over the month. More business in fabricated metal products, transportation equipment, and nonelectrical machinery contributed to the increase of 1,100 jobs in the manufacturing workforce. Factory production worker average hourly earnings, at $11.62 per hour, rose $.06 from August. Their average workweek was .7 hours longer, at 41.5 hours.

Nonfarm wage and salary employment advanced 24,900 between September 1987 and September 1988. The nonmanufacturing sector provided 94.0 percent of the gain. Primary growth industries were services, retail trade, and construction. The manufacturing workforce increased 1,500 over the year, to 104,300. Modest improvements occurred in fabricated metal products, rubber and miscellaneous plastics products, printing and publishing, and food and kindred products, while employment in stone, clay, and glass products declined.

INDEXES OF TOTAL EMPLOYMENT
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



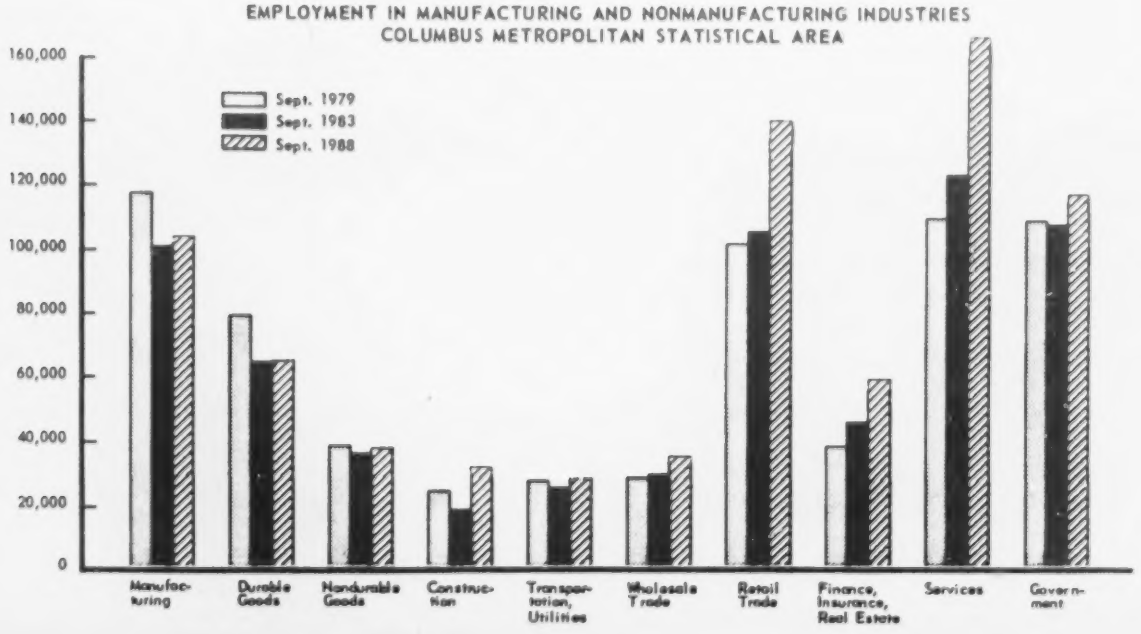
UNEMPLOYMENT RATES
COLUMBUS MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



COLUMBUS MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	517.6	113.6	INA	INA	INA	INA
INA	INA	INA	INA	1978	543.2	117.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	558.5	117.8	INA	INA	INA	INA
INA	INA	INA	INA	1980	560.2	112.6	INA	INA	INA	INA
INA	INA	INA	INA	1981	556.9	109.1	INA	INA	INA	INA
INA	INA	INA	INA	1982	544.0	101.0	INA	INA	INA	INA
647.7	587.4	60.3	9.3	1983	548.5	98.7	INA	INA	INA	INA
633.5	584.3	49.2	7.8	1984	576.4	104.7	69.3	$426.06	40.5	$10.52
649.4	605.6	43.8	6.7	1985	603.6	106.1	70.8	442.95	40.9	10.83
676.2	634.9	41.3	6.1	1986	630.7	105.8	70.4	461.14	41.1	11.22
694.4	656.9	37.5	5.4	1987	657.7	103.1	68.2	473.52	41.5	11.41
				1987						
696.0	659.2	36.8	5.3	August	657.4	102.9	68.0	467.72	41.1	11.38
686.6	655.0	31.6	4.6	September	662.8	102.8	67.9	477.88	41.7	11.46
699.9	666.7	33.1	4.7	October	670.3	102.9	67.9	483.91	42.3	11.44
707.8	674.3	33.5	4.7	November	674.2	102.7	67.8	484.76	42.3	11.46
704.2	669.8	34.5	4.9	December	676.4	102.3	67.3	475.57	41.9	11.35
				1988						
701.9	662.2	39.8	5.7	January	662.3	102.1	67.0	468.65	41.4	11.32
703.1	665.3	37.8	5.4	February	663.0	101.4	66.3	477.47	41.7	11.45
704.7	661.7	43.0	6.1	March	667.3	101.6	66.4	474.54	41.3	11.49
703.0	668.9	34.1	4.8	April	673.8	102.1	66.8	482.47	41.7	11.57
701.6	668.7	32.9	4.7	May	680.8	102.3	66.8	480.24	41.4	11.60
712.1	677.2	34.9	4.9	June	685.0	103.2	67.5	480.16	41.5	11.57
713.2	682.7	30.4	4.3	July	678.4	102.9	67.0	475.45	41.2	11.54
715.8	683.5	32.2	4.5	August	680.0	103.2	67.3	471.65	40.8	11.56
INA	INA	INA	INA	September	687.6	104.3	67.9	482.23	41.5	11.62

INA - information not available



Columbus MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1988[b]	August 1988[c]	September 1987[c]	From Last Month	From Last Year
TOTAL	687.6	680.0	662.8	7.6	24.9
MANUFACTURING	104.3	103.2	102.8	1.1	1.5
Durable Goods[e]	65.8	64.9	65.3	.9	.5
Stone, clay, and glass products	9.9	10.0	10.4	.0	- .5
Glass and glassware, pressed or blown.	3.6	3.6	3.9	- .1	- .4
Fabricated metal products	9.8	9.4	9.3	.4	.4
Fabricated structural metal products	2.9	2.8	2.9	.1	.0
Machinery, except electrical	9.2	9.0	9.2	.2	.0
Electric and electronic equipment	11.0	11.0	10.9	.0	.1
Transportation equipment	13.8	13.5	13.7	.3	.1
Instruments and related products	4.1	4.2	4.0	.0	.1
Nondurable Goods[f]	38.4	38.3	37.5	.2	1.0
Food and kindred products	10.7	10.6	10.5	.1	.2
Printing and publishing	10.5	10.4	10.1	.1	.3
Chemicals and allied products	6.9	6.9	6.8	.0	.0
Rubber and misc. plastics products	5.7	5.7	5.3	.0	.4
NONMANUFACTURING[g]	583.3	576.8	559.9	6.5	23.4
CONSTRUCTION	32.3	32.3	29.5	.0	2.7
TRANSPORTATION AND PUBLIC UTILITIES	29.1	28.9	28.5	.2	.6
Trucking and warehousing	12.2	12.1	11.9	.1	.3
Communication, electric, gas services	11.8	11.8	11.7	.0	.1
WHOLESALE TRADE	35.9	35.6	34.3	.3	1.6
Wholesale trade-durable goods	23.2	23.1	22.2	.2	1.0
RETAIL TRADE	141.0	140.0	135.4	.9	5.6
General merchandise stores	22.7	22.4	22.4	.3	.3
FINANCE, INSURANCE, AND REAL ESTATE	59.9	60.2	58.0	- .3	1.9
Banking	12.1	12.2	11.7	.0	.4
Insurance carriers	23.5	23.5	22.9	.0	.6
SERVICES	166.5	164.7	157.9	1.8	8.6
Business services	38.7	38.6	35.7	.1	3.0
Health services	41.7	41.5	40.1	.2	1.6
Hospitals	18.4	18.3	17.8	.1	.6
GOVERNMENT	117.7	114.1	115.4	3.6	2.3
Federal government	15.3	15.0	15.6	.3	- .3
State government	50.1	50.3	48.4	- .2	1.8
State government education[1]	18.7	18.6	17.7	.1	1.0
State government, except education	31.4	31.8	30.6	- .3	.8
Local government	52.2	48.7	51.4	3.5	.9
Local government education	31.3	27.6	30.4	3.8	.9
Local government, except education	20.9	21.1	20.9	- .2	.0

Hours & Earnings of Production or Nonsupervisory Workers[a]

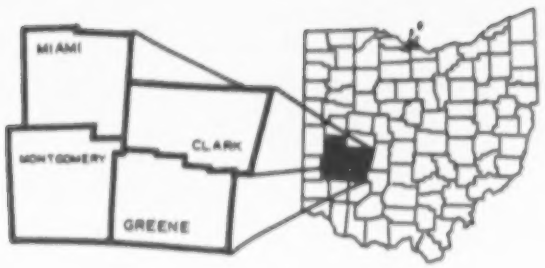
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]
MANUFACTURING	$482.23	$471.65	$477.88	41.5	40.8	41.7	$11.62	$11.56	$11.46
Durable Goods[e]	490.88	477.41	487.06	41.6	40.7	41.7	11.80	11.73	11.68
Stone, clay, and glass products	484.10	475.59	495.52	41.2	40.1	42.1	11.75	11.86	11.77
Glass and glassware, pressed or blown.	467.58	425.23	458.71	42.2	39.3	41.4	11.08	10.82	11.08
Fabricated metal products	518.34	508.00	503.05	41.5	41.1	41.2	12.49	12.36	12.21
Fabricated structural metal products	470.85	481.98	437.13	43.0	43.5	41.2	10.95	11.08	10.61
Machinery, except electrical	456.62	447.26	450.70	41.7	41.8	42.2	10.95	10.70	10.68
Electric and electronic equipment	453.50	448.40	453.53	40.6	40.0	40.1	11.17	11.21	11.31
Transportation equipment	590.01	565.24	595.01	42.6	40.9	43.4	13.85	13.82	13.71
Instruments and related products	408.95	405.34	432.60	38.8	38.9	42.0	10.54	10.42	10.30
Nondurable Goods[f]	464.21	461.85	460.37	41.3	41.2	41.7	11.24	11.21	11.04
Food and kindred products	445.12	456.20	440.49	41.6	41.7	40.9	10.70	10.94	10.77
Printing and publishing	551.63	548.06	550.51	39.8	39.6	40.9	13.86	13.84	13.46
Chemicals and allied products	549.19	533.95	549.83	41.7	41.2	42.1	13.17	12.96	13.06
Rubber and misc. plastics products	357.70	360.71	363.72	41.4	41.7	43.3	8.64	8.65	8.40
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	599.59	601.68	584.63	41.9	41.9	41.7	14.31	14.36	14.02
WHOLESALE TRADE	360.23	344.66	355.36	38.2	37.1	38.5	9.43	9.29	9.23
RETAIL TRADE[h]	186.59	184.93	173.76	29.2	29.4	28.3	6.39	6.29	6.14
FINANCE, INSURANCE, AND REAL ESTATE	.....	.....	.....	....	....	....	.....	.....	.....
Banking	265.37	267.29	257.19	....	....	....	.....	.....	.....
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	350.54	345.69	333.12	34.4	34.5	34.7	10.19	10.02	9.60

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; primary metal industries; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities, State schools for the deaf and blind, and the State library. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	4,013	5,224	5,295
Active File of Job Seekers	27,385	28,669	32,234
Referrals to Jobs	2,202	3,926	3,029
Placements	665	1,227	1,546
Job Openings Received	1,270	2,182	2,037
Job Openings Unfilled	2,612	2,671	3,526
Unemployment Insurance Program			
Initial Claims	3,108	4,212	3,908
Continued Claims	25,812	31,363	34,617
First Payments	1,716	2,188	1,884
Last Payments	478	649	674
Weeks Compensated	21,671	24,538	27,138
Benefits Paid	$3,330,440	$3,647,944	$4,109,616
Average Weekly Payment	$157.16	$151.62	$155.27

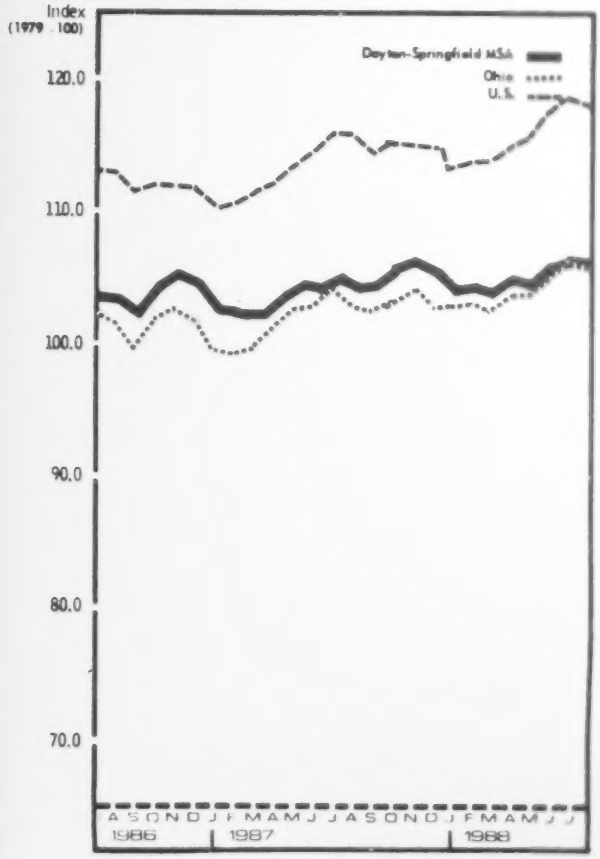
DAYTON - SPRINGFIELD METROPOLITAN STATISTICAL AREA



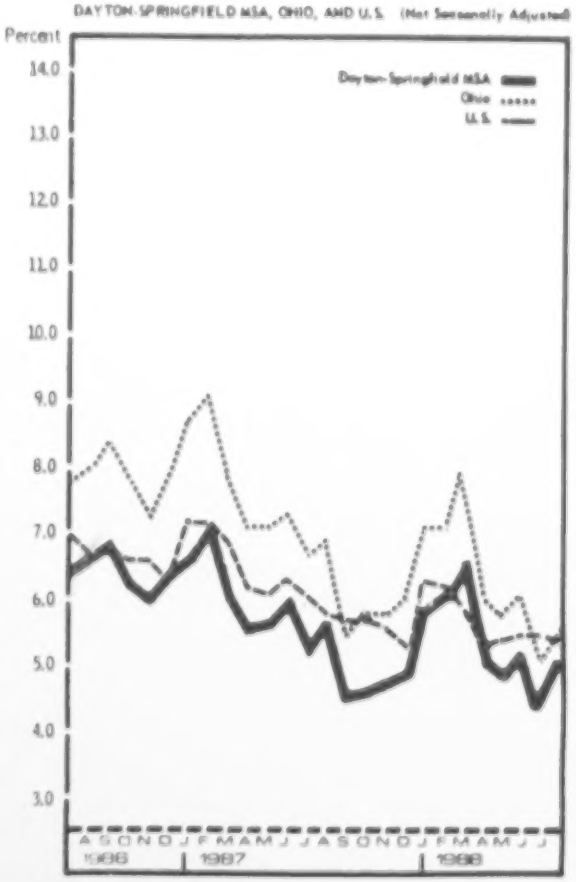
In the Dayton-Springfield metropolitan area, total nonfarm payroll employment rose 8,800 from August, to 442,800 in September 1988. Nonmanufacturing employment increased 7,900 due to the return of nonteaching personnel in local public schools and in private schools. The manufacturing sector added 900 jobs, with modest gains occurring in transportation equipment and rubber and miscellaneous plastics products. Factory production worker average hourly earnings, at $12.68 per hour, increased $.30 from August. Their average workweek of 43.7 hours was 1.5 hours longer.

Nonagricultural wage and salary employment advanced 9,700 between September 1987 and September 1988. Expansion in services, retail trade, and construction provided 95.9 percent of the improvement. Over the year, manufacturing employment declined 900, to 103,800. Moderate reductions occurred in transportation equipment, electric and electronic equipment, and rubber and miscellaneous plastics products.

INDEXES OF TOTAL EMPLOYMENT
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
DAYTON-SPRINGFIELD MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

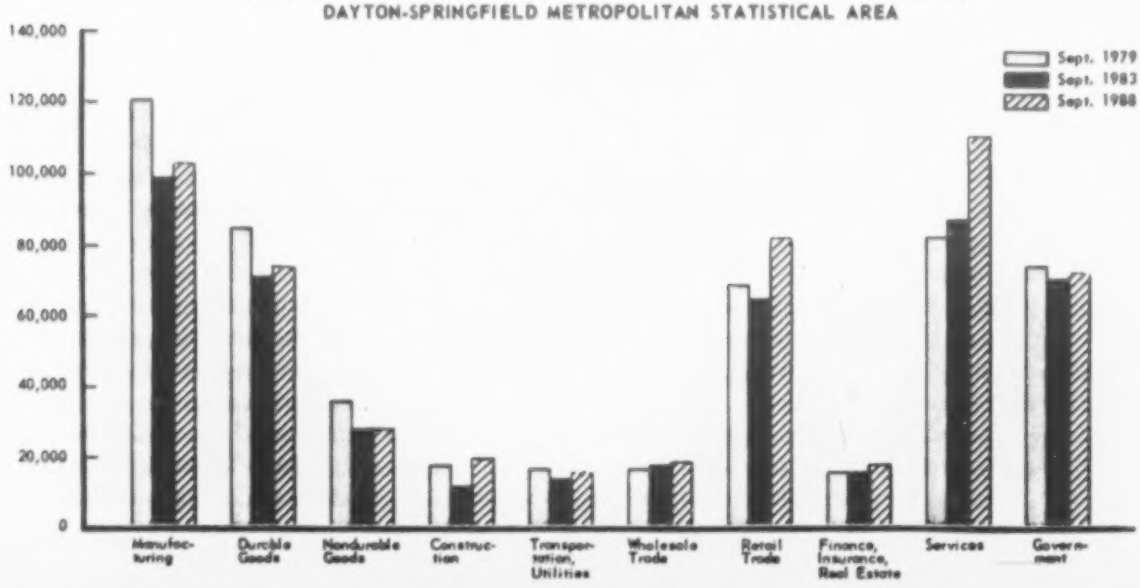


DAYTON-SPRINGFIELD MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	383.8	121.8	INA	INA	INA	INA
INA	INA	INA	INA	1978	401.1	125.0	INA	INA	INA	INA
INA	INA	INA	INA	1979	408.8	122.5	INA	INA	INA	INA
INA	INA	INA	INA	1980	397.1	110.9	INA	INA	INA	INA
INA	INA	INA	INA	1981	393.2	109.9	INA	INA	INA	INA
INA	INA	INA	INA	1982	374.3	97.3	INA	INA	INA	INA
438.5	391.9	46.6	10.6	1983	372.3	95.5	INA	INA	INA	INA
440.1	404.8	35.2	8.0	1984	392.7	103.7	67.7	$480.99	42.9	$11.21
450.4	418.1	32.4	7.2	1985	408.9	106.3	69.1	517.10	43.2	11.97
460.5	430.1	30.3	6.6	1986	419.4	105.7	68.2	514.88	42.8	12.03
461.9	435.8	26.1	5.7	1987	427.9	103.8	66.7	499.38	42.0	11.89
				1987						
463.0	436.1	26.9	5.8	August	426.3	104.2	66.4	492.89	41.7	11.82
457.4	436.5	20.9	4.6	September	433.1	104.7	67.6	487.69	41.4	11.78
462.2	440.4	21.8	4.7	October	434.2	103.6	66.7	507.37	42.6	11.91
467.8	445.3	22.6	4.8	November	436.6	103.6	67.0	512.83	42.7	12.01
464.0	440.4	23.6	5.1	December	435.9	103.2	66.5	517.02	42.8	12.08
				1988						
463.7	436.1	27.6	5.9	January	427.4	102.4	65.4	507.24	42.2	12.02
465.9	437.2	28.6	6.1	February	426.9	101.9	65.0	516.86	42.4	12.19
466.3	435.8	30.6	6.6	March	430.6	102.5	65.6	539.14	43.2	12.48
462.8	439.8	22.9	5.0	April	434.2	103.0	66.2	546.45	43.3	12.62
459.9	438.0	21.9	4.8	May	437.3	103.2	66.4	551.06	43.7	12.61
467.0	442.8	24.2	5.2	June	439.0	103.5	66.3	559.24	44.0	12.71
466.3	445.5	20.7	4.4	July	433.7	103.4	66.0	525.34	42.4	12.39
467.7	443.9	23.7	5.1	August	434.0	102.9	65.5	522.44	42.2	12.38
INA	INA	INA	INA	September	442.8	103.8	66.7	554.12	43.7	12.68

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
DAYTON-SPRINGFIELD METROPOLITAN STATISTICAL AREA



Dayton-Springfield MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1988[b]	August 1988[c]	September 1987[c]	From Last Month	From Last Year
TOTAL	442.8	434.0	433.1	8.8	9.7
MANUFACTURING	103.8	102.9	104.7	.9	- .9
Durable Goods[e]	74.9	74.1	75.5	.8	- .6
Fabricated metal products	8.4	8.4	8.4	.0	.0
Machinery, except electrical	30.7	30.6	30.6	.1	.1
Metalworking machinery	6.5	6.6	6.6	.0	.0
General industrial machinery	2.9	2.8	2.7	.0	.2
Electric and electronic equipment	5.6	5.6	6.0	.0	- .4
Electrical industrial apparatus	3.4	3.4	3.5	.0	- .2
Transportation equipment	20.4	19.8	21.1	.6	- .7
Nondurable Goods[f]	28.9	28.8	29.2	.1	- .2
Food and kindred products	2.7	2.8	2.8	- .1	.0
Paper and allied products	6.1	6.1	6.1	.0	- .1
Printing and publishing	8.7	8.6	8.5	.1	.2
Rubber and misc. plastics products	7.9	7.7	8.0	.2	- .2
NONMANUFACTURING[g]	339.0	331.1	328.4	7.9	10.6
CONSTRUCTION	19.9	20.0	17.9	- .2	1.9
TRANSPORTATION AND PUBLIC UTILITIES	15.9	15.8	15.7	.1	.2
Communication, electric, gas services	5.3	5.3	5.5	.0	- .2
WHOLESALE TRADE	19.3	19.3	18.7	.0	.6
Wholesale trade-durable goods	12.7	12.8	12.4	- .1	.3
RETAIL TRADE	82.4	82.1	79.0	.2	3.3
General merchandise stores	12.2	12.1	12.0	.2	.3
FINANCE, INSURANCE, AND REAL ESTATE	18.4	18.5	18.1	- .2	.3
Banking	4.2	4.3	4.4	.0	- .1
Credit agencies other than banks	4.8	4.8	4.7	- .1	.0
Insurance carriers	2.7	2.7	2.9	.0	- .2
SERVICES	110.6	108.9	106.5	1.7	4.1
Business services	28.1	27.9	26.3	.2	1.8
Health services	36.9	36.8	36.3	.0	.6
Hospitals	18.8	18.7	18.8	.0	.0
Educational services	7.9	5.5	7.6	2.4	.3
GOVERNMENT	72.2	65.9	72.1	6.3	.1
Federal government	27.9	27.8	28.5	.1	- .6
State government	6.6	6.6	6.4	.0	.2
State government education[i]	3.7	3.6	3.4	.1	.2
State government, except education	2.9	3.0	2.9	- .1	.0
Local government	37.7	31.5	37.2	6.2	.5
Local government education	22.6	16.3	22.4	6.3	.2
Local government, except education	15.1	15.2	14.8	- .1	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

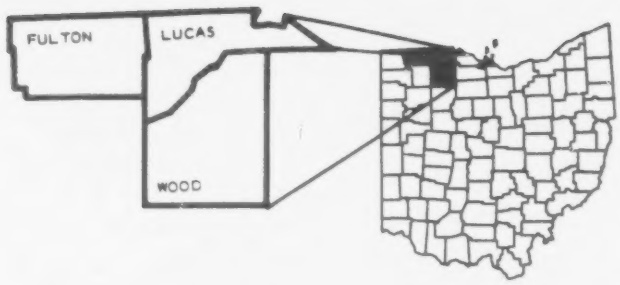
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]
MANUFACTURING	$554.12	$522.44	$487.69	43.7	42.2	41.4	$12.68	$12.38	$11.78
Durable Goods[e]	560.64	531.68	496.80	43.8	42.5	41.4	12.80	12.51	12.00
Fabricated metal products	379.61	383.46	367.35	40.6	41.1	39.8	9.35	9.33	9.23
Machinery, except electrical	602.09	569.85	533.81	45.1	43.6	41.9	13.35	13.07	12.74
Metalworking machinery	580.37	571.14	526.11	47.3	46.7	44.1	12.27	12.23	11.93
General industrial machinery	489.95	486.86	446.89	44.1	44.1	40.7	11.11	11.04	10.98
Electric and electronic equipment	450.58	444.77	427.20	44.7	44.3	44.5	10.08	10.04	9.60
Electrical industrial apparatus	534.86	524.37	499.11	47.0	46.2	46.3	11.38	11.35	10.78
Transportation equipment	698.36	654.66	588.14	44.2	42.1	41.1	15.80	15.55	14.31
Nondurable Goods[f]	532.22	495.56	461.90	43.2	41.4	41.5	12.32	11.97	11.13
Food and kindred products	368.49	360.80	408.56	42.6	42.1	46.8	8.65	8.57	8.73
Paper and allied products	510.72	458.96	500.65	45.6	41.8	46.1	11.20	10.98	10.86
Printing and publishing	463.24	460.23	455.63	39.9	40.3	40.5	11.61	11.42	11.25
Rubber and misc. plastics products	716.89	662.34	515.22	43.9	42.0	37.2	16.33	15.77	13.85
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	554.29	554.45	548.37	40.4	40.5	40.5	13.72	13.69	13.54
WHOLESALE TRADE	406.69	405.34	433.21	39.6	39.7	42.1	10.27	10.21	10.29
RETAIL TRADE[h]	164.15	163.31	161.88	28.4	28.6	28.5	5.78	5.71	5.68
SERVICES	.....	.....	.....	....	....	....	.....	.....	.....
Health services	.....	.....	.....	....	....	....	.....	.....	.....
Hospitals	356.59	363.24	364.57	33.8	34.3	34.2	10.55	10.59	10.66

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; primary metal industries; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. [j]Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	2,315	2,757	2,525
Active File of Job Seekers	12,538	14,385	19,167
Referrals to Jobs	1,665	3,183	1,347
Placements	725	1,694	288
Job Openings Received	1,109	2,792	822
Job Openings Unfilled	2,065	2,488	2,163
Unemployment Insurance Program			
Initial Claims	2,523	4,254	2,695
Continued Claims	18,407	24,736	21,110
First Payments	1,407	1,919	1,299
Last Payments	346	343	335
Weeks Compensated	16,098	18,767	17,303
Benefits Paid	$2,323,997	$2,711,115	$2,400,425
Average Weekly Payment	$147.37	$147.03	$141.73

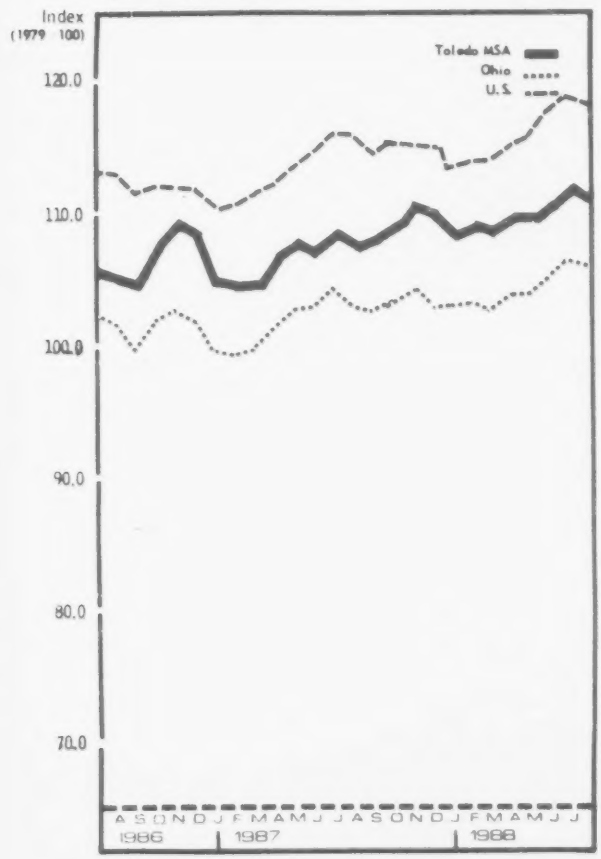
TOLEDO
METROPOLITAN STATISTICAL AREA



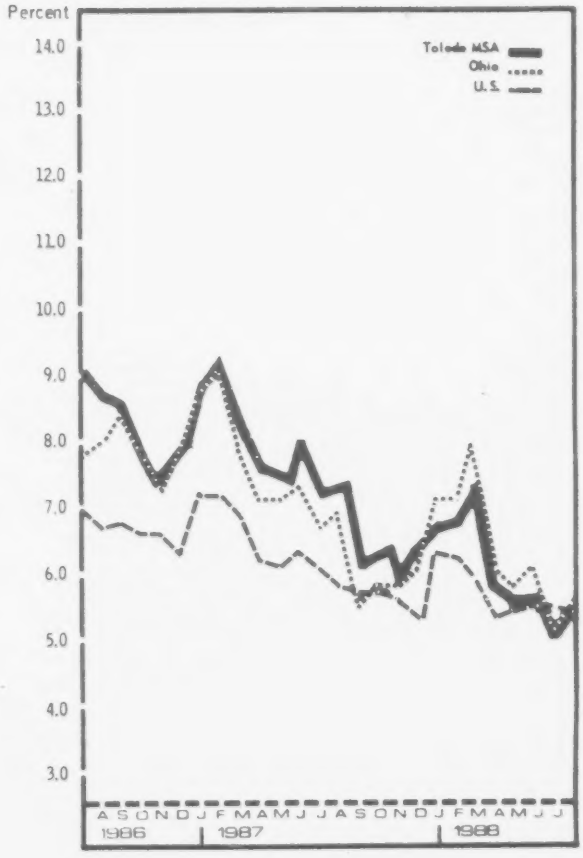
Nonfarm payroll employment in the Toledo metropolitan area totaled 294,400 in September 1988, up 6,200 from the August level. The return of nonteaching personnel in state and local schools and colleges helped raise nonmanufacturing employment 5,900 over the month. Gains in nondurable-goods industries, especially food and kindred products, increased manufacturing employment 300, to 63,600. Production worker average hourly earnings dropped slightly from August, to $12.93 per hour. Their average workweek of 43.4 hours was .9 hours longer.

Nonagricultural wage and salary employment advanced 11,000 between September 1987 and September 1988. The nonmanufacturing sector netted 92.7 percent of the gain. Primary growth industries were services (+4,300), retail trade (+3,000), and construction (+1,900). Manufacturing employment increased 700 over the year. Modest improvements occurred in rubber and miscellaneous plastics products, stone, clay, and glass products, fabricated metal products, and primary metal industries. Employment in transportation equipment and electric and electronic equipment declined during the period.

INDEXES OF TOTAL EMPLOYMENT
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
TOLEDO MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

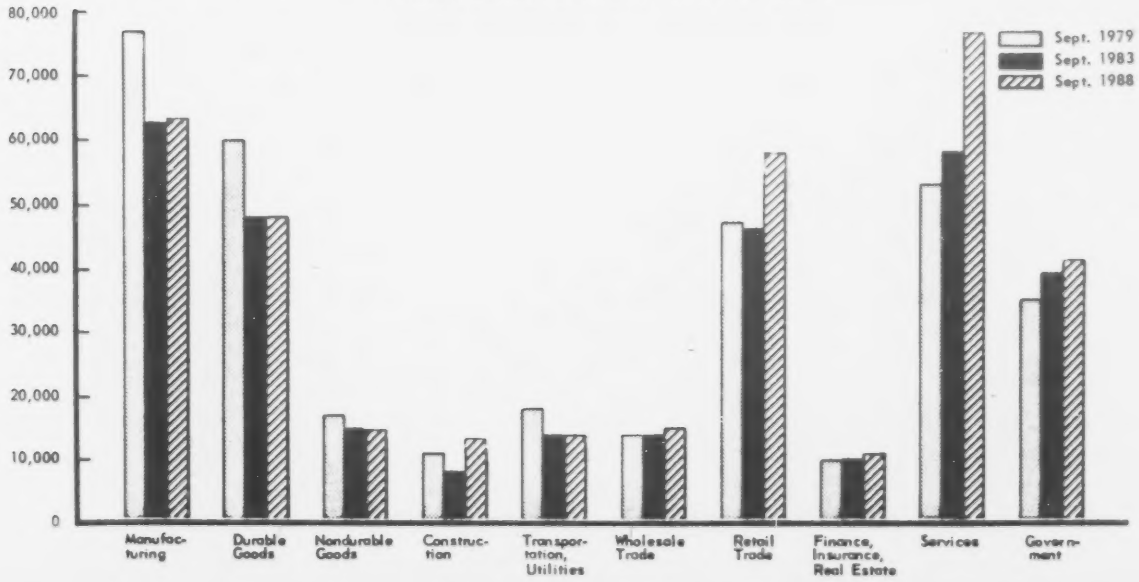


TOLEDO MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
INA	INA	INA	INA	1977	256.3	77.2	INA	INA	INA	INA
INA	INA	INA	INA	1978	264.7	79.4	INA	INA	INA	INA
INA	INA	INA	INA	1979	268.2	77.4	INA	INA	INA	INA
INA	INA	INA	INA	1980	257.0	66.4	INA	INA	INA	INA
INA	INA	INA	INA	1981	254.2	65.8	INA	INA	INA	INA
INA	INA	INA	INA	1982	244.4	60.2	INA	INA	INA	INA
289.2	256.1	33.1	11.4	1983	245.3	59.6	INA	INA	INA	INA
293.5	267.3	26.2	8.9	1984	257.0	64.8	45.7	$502.42	43.2	$11.63
296.5	272.3	24.3	8.2	1985	264.5	65.7	46.2	523.55	42.6	12.29
307.1	281.2	25.8	8.4	1986	272.0	63.4	44.2	527.03	42.4	12.43
308.9	286.4	22.5	7.3	1987	279.4	62.1	43.6	540.60	42.5	12.72
				1987						
308.3	286.0	22.3	7.2	August	277.7	62.5	43.7	534.66	42.4	12.61
305.9	287.5	18.3	6.0	September	283.4	62.9	44.0	539.33	42.4	12.72
311.2	291.7	19.5	6.3	October	285.8	61.6	43.1	536.78	42.1	12.75
313.6	295.5	18.1	5.8	November	287.9	62.4	43.7	548.27	42.8	12.81
313.2	293.4	19.8	6.3	December	288.6	62.5	44.5	556.84	43.3	12.86
				1988						
309.5	289.1	20.4	6.6	January	281.5	62.2	44.6	572.47	43.7	13.10
311.3	290.4	20.9	6.7	February	281.5	61.8	44.1	526.58	41.3	12.75
312.3	289.5	22.8	7.3	March	284.0	61.8	44.1	568.49	43.1	13.19
310.9	293.2	17.7	5.7	April	287.3	62.0	44.2	572.86	43.3	13.23
309.8	292.8	16.9	5.5	May	290.1	62.2	44.4	552.90	42.4	13.04
312.9	295.3	17.6	5.6	June	290.7	63.6	45.6	571.58	43.4	13.17
314.1	298.3	15.8	5.0	July	288.5	63.2	45.1	543.93	42.1	12.92
313.7	296.8	16.9	5.4	August	288.2	63.3	45.3	549.95	42.5	12.94
INA	INA	INA	INA	September	294.4	63.6	45.6	561.16	43.4	12.93

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
TOLEDO METROPOLITAN STATISTICAL AREA



Toledo MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1988[b]	August 1988[c]	September 1987[c]	From Last Month	From Last Year
TOTAL	294.4	288.2	283.4	6.2	11.0
MANUFACTURING	63.6	63.3	62.9	.3	.7
Durable Goods[e]	48.3	48.5	48.0	- .2	.3
Stone, clay, and glass products	8.3	8.4	8.1	- .1	.3
Primary metal industries	3.6	3.5	3.4	.1	.2
Fabricated metal products	7.8	7.8	7.5	.0	.3
Metal forgings and stampings	3.4	3.4	3.3	.0	.1
Machinery, except electrical	6.2	6.2	6.1	.0	.1
Electric and electronic equipment	2.0	2.0	2.5	.0	- .5
Transportation equipment	15.3	15.6	16.0	- .3	- .7
Motor vehicles and equipment	14.3	14.5	15.0	- .3	- .8
Nondurable Goods[f]	15.4	14.9	14.9	.5	.4
Food and kindred products	4.3	4.1	4.4	.3	- .1
Rubber and misc. plastics products	3.3	3.3	2.8	.1	.5
NONMANUFACTURING[g]	230.8	224.9	220.5	5.9	10.2
CONSTRUCTION	13.6	13.5	11.8	.2	1.9
TRANSPORTATION AND PUBLIC UTILITIES	14.2	14.2	14.1	.0	.1
Trucking and warehousing	5.6	5.6	5.5	.0	.1
Communication, electric, gas services	5.1	5.1	5.0	.0	.1
WHOLESALE TRADE	15.2	15.3	14.8	- .1	.4
Wholesale trade-durable goods	10.1	10.1	9.8	.0	.2
RETAIL TRADE	57.9	57.4	54.9	.4	3.0
General merchandise stores	7.7	7.6	7.6	.1	.1
FINANCE, INSURANCE, AND REAL ESTATE	11.4	11.4	11.4	.0	- .1
Banking	3.6	3.6	3.6	.0	.0
SERVICES	76.7	76.5	72.4	.2	4.3
Business services	16.7	16.6	15.2	.1	1.5
Health services	27.7	27.5	27.1	.2	.6
Hospitals	15.1	15.1	15.3	.0	- .2
GOVERNMENT	41.5	36.3	40.8	5.2	.7
State government	14.5	11.6	14.3	2.9	.2
State government education[h]	10.4	7.4	10.3	3.0	.1
State government, except education	4.1	4.2	4.0	- .1	.1
Local government	24.4	22.0	23.9	2.3	.5
Local government education	13.7	11.2	13.5	2.5	.2
Local government, except education	10.7	10.9	10.4	- .1	.3

Toledo MSA

Hours & Earnings of Production or Nonsupervisory Workers[a]

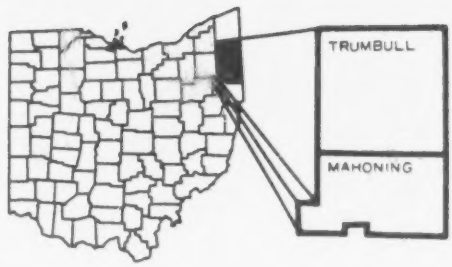
	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]
MANUFACTURING	$561.16	$549.95	$539.33	43.4	42.5	42.4	$12.93	$12.94	$12.72
Durable Goods[e]	576.29	561.74	559.63	43.2	42.3	42.3	13.34	13.28	13.23
Stone, clay, and glass products	500.94	523.65	507.99	39.6	41.2	41.0	12.65	12.71	12.39
Primary metal industries	523.49	508.24	441.57	45.6	44.7	40.4	11.48	11.37	10.93
Fabricated metal products	539.18	499.32	539.30	43.8	41.3	42.7	12.31	12.09	12.63
Metal forgings and stampings	653.23	624.34	676.01	43.9	42.1	45.4	14.88	14.83	14.89
Machinery, except electrical	516.09	492.48	496.08	42.9	41.7	42.4	12.03	11.81	11.70
Electric and electronic equipment	481.07	488.78	510.84	41.4	42.1	40.9	11.62	11.61	12.49
Transportation equipment	708.05	693.60	672.19	43.2	42.5	43.2	16.39	16.32	15.56
Motor vehicles and equipment	713.31	699.18	674.08	43.1	42.4	43.1	16.55	16.49	15.64
Nondurable Goods[f]	509.52	511.69	472.94	44.0	43.4	42.8	11.58	11.79	11.05
Food and kindred products	644.35	648.57	509.08	49.0	47.1	43.4	13.15	13.77	11.73
Rubber and misc. plastics products	357.37	339.47	352.67	41.7	40.9	42.8	8.57	8.30	8.24
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	610.90	628.54	611.29	41.9	42.7	42.1	14.58	14.72	14.52
WHOLESALE TRADE	387.22	396.98	360.21	38.8	39.5	37.6	9.98	10.05	9.58
RETAIL TRADE[h]	161.30	160.11	161.37	28.6	28.9	29.5	5.64	5.54	5.47

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; instruments and related products; miscellaneous manufacturing. [f]Includes tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes hospitals, the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	2,039	2,411	2,173
Active File of Job Seekers	16,676	17,289	12,890
Referrals to Jobs	1,441	2,007	1,406
Placements	470	787	748
Job Openings Received	951	1,410	974
Job Openings Unfilled	1,749	1,629	1,110
Unemployment Insurance Program			
Initial Claims	2,623	3,420	3,237
Continued Claims	15,889	18,400	21,784
First Payments	1,191	1,558	857
Last Payments	225	262	325
Weeks Compensated	13,517	13,795	16,266
Benefits Paid	$2,015,180	$1,993,002	$2,316,646
Average Weekly Payment	$152.31	$147.44	$145.41

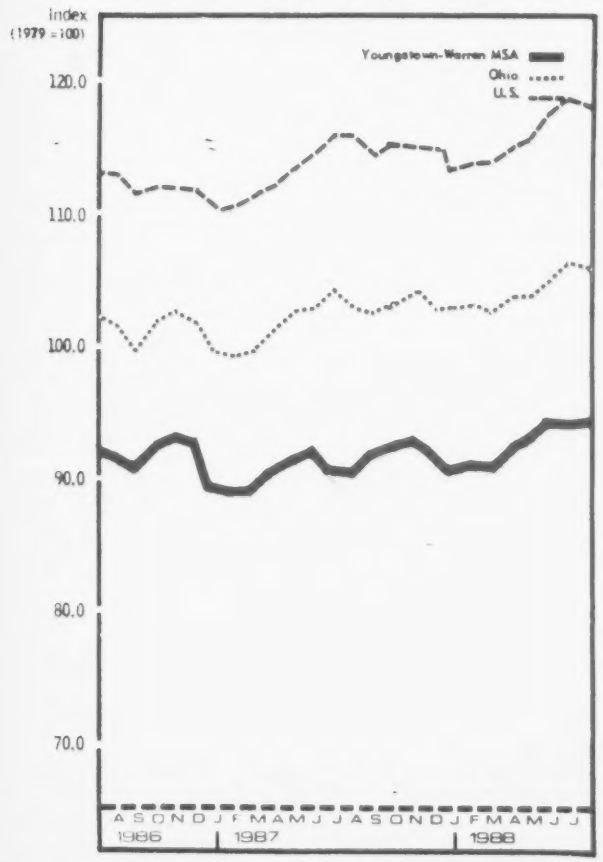
YOUNGSTOWN - WARREN METROPOLITAN STATISTICAL AREA



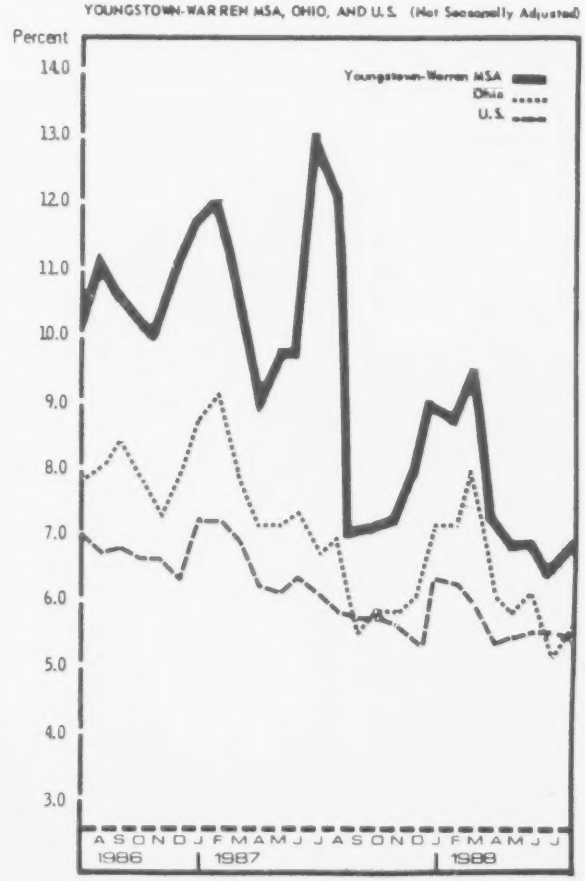
In the Youngstown-Warren metropolitan area, nonfarm payroll employment increased 3,800 from August, to 198,300 in September 1988. Nonmanufacturing employment rose 2,300 due to the return of nonteaching personnel in local schools and modest growth in services. Improvements in primary metal industries, transportation equipment, and fabricated metal products contributed to the increase of 1,500 jobs in the manufacturing sector. Factory production workers averaged $13.62 per hour, up $.22 from last month. Their average workweek, 43.6 hours, was 2.0 hours longer.

Nonagricultural wage and salary employment advanced 6,500 between September 1987 and September 1988. Noteworthy expansion occurred in retail trade, services, and construction. Manufacturing employment added 900 workers over the year, to 51,400. Improvements were recorded in primary metal industries and fabricated metal products.

INDEXES OF TOTAL EMPLOYMENT
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)



UNEMPLOYMENT RATES
YOUNGSTOWN-WARREN MSA, OHIO, AND U.S. (Not Seasonally Adjusted)

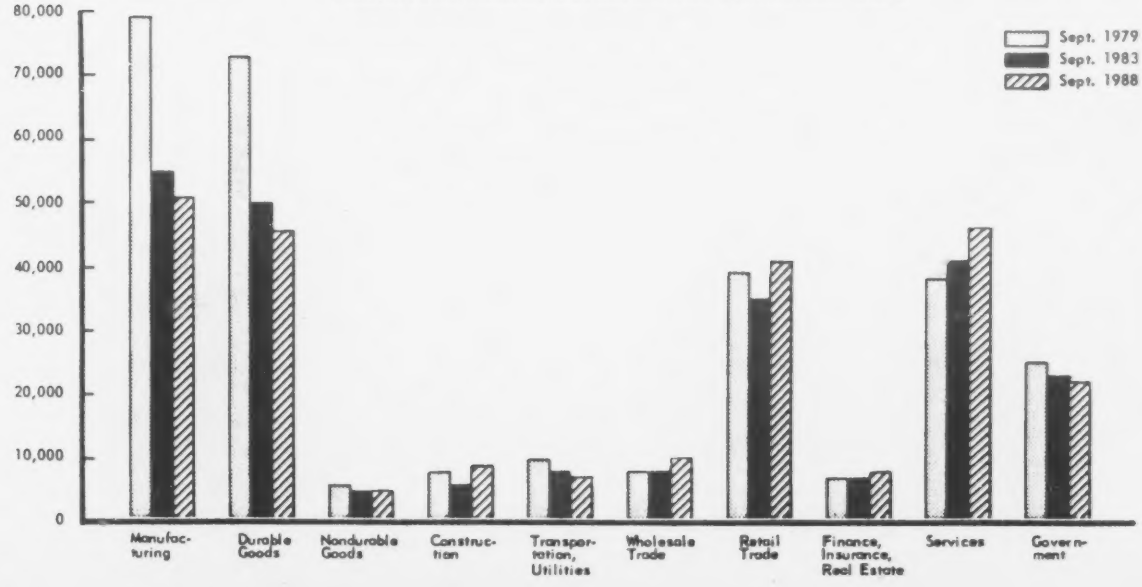


YOUNGSTOWN-WARREN MSA LABOR FORCE & EMPLOYMENT DATA
(Employed & Unemployed in Thousands)

Civilian Labor Force					Nonagricultural Wage & Salary Employment					
	Total Employed					Manufacturing Employment				
		Unemployed					Manufacturing Production Workers			
		Total	Rate					Hours and Earnings		
								Average Weekly Earnings	Average Weekly Hours	Average Hourly Earnings
234.0	215.0	19.0	8.1	1977	208.0	81.1	63.6	$313.50	40.4	$ 7.76
235.2	217.5	17.7	7.5	1978	210.3	79.4	62.5	353.56	41.4	8.54
237.1	219.9	17.1	7.2	1979	213.9	79.9	62.5	377.29	40.7	9.27
238.9	210.5	28.4	11.9	1980	203.1	70.8	54.1	409.77	39.9	10.27
234.0	205.7	28.2	12.1	1981	198.7	67.3	50.8	474.10	40.8	11.62
237.0	190.3	46.6	19.7	1982	180.6	52.9	38.1	460.60	39.3	11.72
225.6	188.1	37.5	16.6	1983	177.5	52.8	36.6	521.20	42.1	12.38
222.2	195.9	26.3	11.8	1984	182.5	55.1	41.8	555.97	43.3	12.84
221.3	196.3	25.0	11.3	1985	184.2	52.7	39.6	570.64	43.1	13.24
223.7	200.0	23.7	10.6	1986	187.1	51.7	38.7	553.28	41.6	13.30
221.3	199.7	21.5	9.7	1987	188.1	48.8	36.6	567.91	42.7	13.30
				1987						
225.2	197.9	27.4	12.1	August	185.5	45.9	33.8	548.98	42.1	13.04
216.6	201.6	15.0	6.9	September	191.8	50.5	38.2	581.52	43.3	13.43
218.8	203.3	15.5	7.1	October	191.8	49.8	37.8	566.67	42.8	13.24
220.2	204.5	15.8	7.2	November	191.9	49.7	37.8	566.89	42.4	13.37
219.1	201.7	17.4	7.9	December	191.5	49.4	37.6	560.03	41.7	13.43
				1988						
218.9	199.2	19.7	9.0	January	187.3	49.1	37.3	557.61	41.8	13.34
219.9	200.7	19.2	8.7	February	187.9	49.2	37.4	554.86	41.5	13.37
221.4	200.4	21.0	9.5	March	189.8	49.5	37.7	557.86	41.6	13.41
219.3	203.5	15.8	7.2	April	192.5	50.0	38.1	570.46	42.1	13.55
219.5	204.7	14.8	6.8	May	196.1	50.3	38.4	593.45	43.7	13.58
223.1	207.6	15.5	6.9	June	197.5	50.6	38.8	582.08	42.8	13.60
221.3	207.1	14.2	6.4	July	193.2	48.5	36.4	568.09	42.3	13.43
223.2	207.9	15.4	6.9	August	194.5	49.9	37.8	557.44	41.6	13.40
INA	INA	INA	INA	September	198.3	51.4	39.3	593.83	43.6	13.62

INA - information not available

EMPLOYMENT IN MANUFACTURING AND NONMANUFACTURING INDUSTRIES
YOUNGSTOWN-WARREN METROPOLITAN STATISTICAL AREA



Youngstown-Warren MSA

Nonagricultural Wage & Salary Employment[a]

	Employment (in thousands)			Change[d] (in thousands)	
	September 1988[b]	August 1988[c]	September 1987[c]	From Last Month	From Last Year
TOTAL	198.3	194.5	191.8	3.8	6.5
MANUFACTURING	51.4	49.9	50.5	1.5	.9
Durable Goods[e]	45.9	44.4	45.1	1.5	.8
Primary metal industries	19.4	18.7	19.0	.7	.3
Blast furnace and basic steel products	5.6	5.5	5.5	.1	.1
Fabricated metal products	7.7	7.4	7.4	.3	.3
Machinery, except electrical	3.8	3.8	3.7	.0	.1
Electric and electronic equipment	2.2	2.2	2.2	.0	.0
Transportation equipment	9.7	9.3	9.6	.4	.1
Nondurable Goods[f]	5.5	5.5	5.4	.1	.1
NONMANUFACTURING[g]	146.9	144.6	141.3	2.3	5.6
CONSTRUCTION	9.3	9.4	8.3	- .1	1.0
TRANSPORTATION AND PUBLIC UTILITIES	7.8	7.7	7.7	.1	.1
Communication, electric, gas services	3.0	3.0	3.0	.0	- .1
WHOLESALE TRADE	10.6	10.6	9.8	.0	.8
Wholesale trade-durable goods	6.4	6.4	6.3	.0	.2
RETAIL TRADE	41.0	41.0	38.8	.1	2.2
General merchandise stores	5.3	5.2	5.3	.1	.0
FINANCE, INSURANCE, AND REAL ESTATE	8.4	8.5	8.2	- .1	.2
Banking	2.9	2.9	2.8	.0	.0
SERVICES	46.5	46.0	45.2	.5	1.3
Health services	20.0	20.1	19.6	- .1	.4
Hospitals	10.3	10.3	10.1	- .1	.1
GOVERNMENT	22.5	20.8	22.5	1.8	.1
State government	3.2	3.3	3.3	- .1	- .1
State government education[i]	1.8	1.8	1.8	.0	.0
State government, except education	1.5	1.6	1.5	- .1	.0
Local government	17.2	15.3	17.1	1.9	.1
Local government education	10.6	8.7	10.8	1.9	- .2
Local government, except education	6.6	6.6	6.3	.0	.3

Hours & Earnings of Production or Nonsupervisory Workers[a]

	Average Weekly Earnings			Average Weekly Hours			Average Hourly Earnings		
	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]	Sept. 1988[b]	Aug. 1988[c]	Sept. 1987[c]
MANUFACTURING	$593.83	$557.44	$581.52	43.6	41.6	43.3	$13.62	$13.40	$13.43
Durable Goods[e]	609.26	572.35	596.39	43.8	41.9	43.5	13.91	13.66	13.71
Primary metal industries	660.50	622.22	665.42	43.8	41.9	44.9	15.08	14.85	14.82
Blast furnace and basic steel products	618.78	604.34	634.33	45.7	44.7	46.2	13.54	13.52	13.73
Fabricated metal products	554.61	538.97	510.63	41.7	41.3	39.8	13.30	13.05	12.83
Machinery, except electrical	502.14	480.36	469.34	43.4	42.1	40.6	11.57	11.41	11.56
Electric and electronic equipment	469.96	459.79	418.82	41.7	41.2	37.8	11.27	11.16	11.08
Transportation equipment	675.65	608.86	660.96	46.5	42.4	45.9	14.53	14.36	14.40
Nondurable Goods[f]	438.69	412.26	429.11	41.9	39.3	41.3	10.47	10.49	10.39
TRANSPORTATION AND PUBLIC UTILITIES	.....	.....	.....	....	....	....	.....	.....	.....
Communication, electric, gas services	567.59	564.98	557.44	40.6	40.5	40.6	13.98	13.95	13.73
WHOLESALE TRADE	372.53	367.49	341.71	39.8	39.6	37.8	9.36	9.28	9.04
RETAIL TRADE[h]	175.78	178.19	174.64	29.2	29.6	29.4	6.02	6.02	5.94

[a]See Technical Notes for concepts. [b]Preliminary. [c]Revised. [d]Based on unrounded figures. [e]Includes lumber and wood products; furniture and fixtures; stone, clay, and glass products; instruments and related products; miscellaneous manufacturing. [f]Includes food and kindred products; tobacco manufactures; textile mill products; apparel and other textile products; paper and allied products; printing and publishing; chemicals and allied products; petroleum and coal products; rubber and miscellaneous plastics products; leather and leather products. [g]Includes mining. [h]Money payments only; tips not included. [i]Includes State universities. Excludes the agricultural extension service, agricultural research centers, and the Ohio Department of Education. [j]Depressed due to labor-management disputes.

Selected Administrative Program Activities

	September 1988	August 1988	September 1987
Employment Service Program			
New Applicants	2,736	2,973	2,067
Active File of Job Seekers	17,310	17,000	17,771
Referrals to Jobs	1,450	1,491	1,670
Placements	366	372	261
Job Openings Received	518	717	615
Job Openings Unfilled	1,279	1,648	897
Unemployment Insurance Program			
Initial Claims	2,170	3,369	3,170
Continued Claims	14,056	17,947	18,294
First Payments	1,278	1,735	973
Last Payments	220	232	309
Weeks Compensated	12,074	14,252	15,007
Benefits Paid	$1,722,414	$2,043,692	$2,025,944
Average Weekly Payment	$145.91	$146.27	$139.90

Technical Notes

Civilian Labor Force Estimates

Civilian Labor Force. Estimated number of persons 16 years of age and over, employed or unemployed during week including 12th of month, distributed by place of residence.

Total Employed. Includes nonagricultural wage and salary workers, the self-employed, unpaid family workers, domestics, agricultural workers, and persons involved in labor disputes. Employment distributed by place of residence.

Total Unemployed. Estimated number of persons, by place of residence, who did not work during reference week and were looking for work, whether or not eligible for unemployment compensation. Includes those who did not work and were waiting to be called back to an old job or to report to a new job.

Nonagricultural Wage and Salary Employment

Collection. Nonagricultural wage and salary employment as well as hours and earnings estimates based on monthly reports from sample of employers. Under cooperative arrangement with U.S. Bureau of Labor Statistics, Labor Market Information Division of Ohio Bureau of Employment Services mails, edits, and processes Ohio reports, which are subsequently incorporated in national data.

Industrial Classification. Employer establishments classified by industry on basis of their principal product or service. The *Standard Industrial Classification Manual* (U.S. Office of Management and Budget, Washington, D.C., 1972, amended 1977) used for classification.

Coverage. Monthly reports on employment and (for most industries) payroll and hours obtained from approximately 10,000 Ohio employers.

Coverage of Ohio Nonagricultural Employment Sample and a Measure of Error

Industry Division	Approximate Percentage Covered by Sample	RMSE
Total	40	.2
Manufacturing	56	.3
Nonmanufacturing	35	.2
Mining	56	1.1
Construction	17	1.1
Transportation and Public Utilities	43	.3
Wholesale Trade	19	.3
Retail Trade	20	.4
Finance, Insurance, and Real Estate	42	.2
Services	26	.3
Government	70	.3

Measure of Error. Reliability of nonagricultural wage and salary employment estimates may be affected by inadequate sample and response errors, industry code changes, or changes in the quality of benchmark data. The measure of reliability reported above is the root-mean-square error (RMSE), based on 36-month average differences in trend between final estimates and benchmark data. This experience indicates that monthly changes in total nonagricultural wage and salary employment estimates can be expected to vary no more than .2 percent from the actual change.

Nonagricultural Employment. Persons who worked during, or received pay for, any part of pay periods which include 12th of month, distributed by place of employment. Includes persons on paid sick leave, paid holiday, or paid vacation. Excluded are persons laid off, on strike, or on unpaid vacation during entire reporting period. Proprietors, the self-employed, unpaid family workers, farm workers, and domestic workers also excluded. Government employment covers only civilian employees. Full-time teachers considered employed during the summer vacation period, whether or not paid in those months.

Estimating Method. Total employment is estimated from the employment of establishments reporting for two consecutive months, as follows:

$$\text{Total Employment (current month)} = \text{Total Employment (previous month)} \times \frac{\text{Sample Employment (current month)}}{\text{Sample Employment (previous month)}}$$

Benchmark Data. Employment estimates compared annually with complete count of employment, by industry. Where revisions necessary, monthly estimates adjusted to new benchmark. Following revisions to new benchmark, industry data projected forward to current month by use of sample trends. Basic source of benchmark information is tabulations of employment data, by industry and area compiled from contribution reports of employers covered under Ohio Unemployment Compensation Law. Data are based on March 1987 benchmark.

Seasonally Adjusted Estimates

Seasonal Adjustment. To facilitate interpretation of underlying economic trends, Division-level Nonagricultural Wage and Salary Employment series are presented with short-term effects of seasonal patterns removed.

Hours and Earnings

Method of Computing Averages. Average hours computed by dividing total production worker hours worked during one week (the seven-day periods which include 12th of month) by number of production workers reported for such week. Average hourly earnings computed by dividing total production worker payroll for one week by total production worker hours for week. Average weekly earnings derived by multiplying average hourly earnings by average weekly hours.

Definitions. Definitions of production or similar workers, payroll, and hours--from which average hours and earnings data are derived--follow:

Production Workers. Includes working supervisors and all nonsupervisory workers (including group leaders and trainees) engaged in fabricating, processing, assembling, inspection, receiving, storage, handling, packing, warehousing, shipping, maintenance, repair, janitorial and guard services, product development, auxiliary production for plant's own use (such as power plant), and record keeping and other services closely associated with production operations.

Nonsupervisory Workers. Includes employees (not above working supervisory level) such as office and clerical workers, repairers, salespersons, operators, drivers, attendants, service employees, line installers, laborers, accountants, janitors, guards, and other employees whose services are closely associated with those of occupations listed.

Payroll. Represents payroll for full- and part-time production, construction, or nonsupervisory workers who received pay for any part of pay periods which include 12th of month. Payroll is reported before deductions for Social Security, group insurance, withholding tax, bonds, and union dues; also includes pay for overtime, holidays, vacations, and sick leave paid directly by the firm. Bonuses (unless earned and paid regularly each pay period), tips, pay not earned in pay period reported (such as retroactive pay), and value of free rent, fuel, meals, or other payments in kind, excluded.

Hours. Represents hours worked or paid for, during pay periods which include 12th of month, for production, construction, or nonsupervisory workers. Hours include time paid for holidays and vacations, and for sick leave when pay received directly from firm.

Selected Employment Service Activities

Ohio

	September 1988	August 1988	September 1987
New Applicants	36,557	41,677	40,724
Active File of Job Seekers	249,362	260,482	270,888
Counseling Interviews	1,297	1,422	1,073
Tests Administered	2,089	3,262	3,584
General Aptitude Tests	268	223	146
Proficiency Tests	380	400	495
Specific Aptitude Tests	322	296	891
Referrals to Jobs	26,723	35,536	26,887
Placements	6,724	10,279	7,808
Job Openings Received	12,301	20,060	14,037
Job Openings Unfilled	28,473	31,465	24,185

Selected Unemployment Insurance Activities

	September 1988	August 1988	September 1987
Initial Claims	36,030	50,357	43,944
Continued Claims	274,747	345,821	338,667
First Payments	17,918	24,581	17,634
Last Payments	4,871	5,591	5,642
Average Weekly Claimants	64,414	73,328	74,932
Average Weekly Benefit Recipients	53,834	58,646	60,664
Weeks Compensated	232,742	264,289	262,226
Benefits Paid	$35,206,112	$39,148,040	$37,742,851
Average Weekly Payment	$154.62	$151.17	$147.53
Continued Claims for Survey Week	61,278	70,513	76,033
Insured Unemployment Rate	1.5	1.7	1.8
Net Contributions	$3,092,776	$148,460,982	$5,135,115
Active Employer Accounts	201,088	200,659	196,665

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Labor Market Review

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Ohio Labor Market Information Labor Market Review

October 1988

Summary. Ohio's seasonally adjusted unemployment rate fell from 5.8 percent in September to 5.6 percent in October. The national rate also declined slightly, from 5.4 percent to 5.3 percent. Total employment in Ohio reached a new high of 5,016,000. The number of jobless Ohioans fell 9,000 from September, to 295,000 in October. Nonagricultural wage and salary employment, at 4,721,000 (seasonally adjusted), was up 21,000 from September. (See page 3.)

Factory Employment. Manufacturing employment in Ohio rose 8,000 from September, to 1,107,000 in October. Durable-goods employment, at 742,000, increased 6,000 from September, while nondurable-goods employment advanced 2,000, to 365,000.

Nonmanufacturing. Employment gains of 5,000 in services and 4,000 in retail trade helped raise nonmanufacturing employment 13,000 from September, to 3,615,000 in October. Government increased 2,000, while wholesale trade and finance, insurance, and real estate each were up 1,000. No change in employment occurred in mining, construction, or transportation and public utilities.

Over the Year. In October 1987, both Ohio and the U.S. had the same unemployment rate of 6.0 percent. Ohio's rate dropped to 5.6 percent in October 1988, while the U.S. rate fell to 5.3 percent. Total employment rose 116,000 and total unemployment declined 20,000. Nonagricultural payroll employment was up 111,000 from October 1987. Services and retail trade had employment gains of 42,000 and 26,000, respectively. All other divisions had greater employment except mining, which was unchanged. Employment increases in both durable- and nondurable-goods industries raised manufacturing employment 10,000 from October 1987.

Factory Hours and Earnings. Production workers in manufacturing industries earned an average of $523.06 per week in October, up $1.29 from September. Their average workweek was unchanged at 43.3 hours. Increased earnings due to more overtime occurred in metal forgings and stampings, metalworking machinery, iron and steel foundries, and fabricated structural metal products.

Benefits and Costs. Initial claims filed under the Ohio Unemployment Compensation Law numbered 43,496 in October, up 20.7 percent from September, but down 8.3 percent from October 1987. The average weekly payment of $154.44 was $.18 lower. Total benefits paid fell 15.4 percent, to $29.8 million. The average weekly number of benefit recipients, at 48,898, was down 9.2 percent. At the end of October, there were 200,778 active employer accounts.

Ohio Bureau of Employment Services
Richard F. Celeste, Governor Ellen O'Brien Saunders, Administrator

Employment Service. The Ohio Bureau of Employment Services aided 38,294 new job applicants in October, up 4.8 percent from September, but down 15.4 percent from October 1987. The number of job openings received from employers rose 15.4 percent from September, to 14,190 in October. The Employment Services Division made 31,168 job referrals and 9,249 placements.

The Ohio Data Users Center has published population estimates for Ohio Metropolitan Statistical Areas and Ohio counties.

See pages 14 and 15 for more information.

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